Nec Webpro Manual

Web EngineeringThe Digital DilemmaBuilding Scalable and High-performance Java Web Applications Using J2EE TechnologyUNIX For DummiesWeb ArchivingBeginning Ajax with ASP.NETAdvances in Software EngineeringReal World Digital PhotographyTopological GeometrodynamicsWeb EngineeringThe Semantic Web – ASWC 2006A Semantic Web PrimerJava All-In-One Desk Reference For DummiesPHP by ExampleStandard for Telephone EquipmentKnowledge TechnologiesPassive and Active MeasurementPopulation Situation Analysis (PSA)Digital InclusionThe GridImpressive First ImpressionsWeb AccessibilityQuantum ComputingBardaisan of EdessaArchitecting Dependable Systems IIIVisual Basic 2005 Express Edition For DummiesWeb-based InstructionConcepts Of Programming LanguagesHandbook Of Security And NetworksEssential BioinformaticsCore Python ProgrammingThe Economics of Regional ClustersWireless Sensor NetworksAdvances on remote laboratories and e-learning experiencesInformation Systems Architecture and Technology: Proceedings of 40th Anniversary International Conference on Information Systems Architecture and Technology – ISAT 2019TinyMLImplementation and Application of Functional LanguagesRule Representation, Interchange and Reasoning on the WebWeb Based Energy Information and Control SystemsUpwelling Ecosystems

Web Engineering

Ajax has the power to revolutionize the way web-based applications are designed. This book provides you with a thorough working knowledge of what Ajax has to offer and how to take full advantage of it in your application development. Following an exploration of how Ajax works with .NET, you'll get acquainted with DHTML, the role of JavaScript and the Document Object Model, and the XMLHttpRequest Object, which is the foundation of Ajax. Then you will examine the Ajax-type features built into ASP.NET and explore the Ajax.NET Professional Library in detail. Finally, you will explore client scripting as well as building and using controls with Microsoft's Atlas. With an entire chapter devoted to debugging, you will have all you need to use this cutting-edge technology. What you will learn from this book * What you can do with the open source Ajax.NET Professional Library * How to use the corresponding functionality, Asynchronous Client Script Callbacks, that comes with ASP.NET 2.0 * Techniques for using the XMLHttpRequest Object to communicate between the client web browser and the server * An overview of XML, XSLT, and other ways to send data between client and server * How to integrate Microsoft's Atlas with many of the services available in ASP.NET 2.0 Who this book is for This book is for programmers who use ASP.NET and are just starting to use Ajax technologies to create more responsive, modern applications. Wrox Beginning guides are crafted to make learning programming languages and technologies easier than you think, providing a structured, tutorial format that will guide you through all the techniques involved.

The Digital Dilemma

This book provides systematic frameworks, insightful information, and practical tips that will help professionals and job seekers boost their first impression on others and increase their value to employers--both in the physical and virtual world. Geared toward any professional or job seeker, Impressive First Impressions: A Guide to the Most Important 30 Seconds (And 30 Years) of Your Career shows how to make your first impressions take hold in all contexts of daily professional life--from job interviews and client meetings to working in teams and persuading others of your ideas. Based on an extraordinary wealth of research and proven, effective techniques, Impressive First Impressions distills a vast amount of information into straightforward, practical steps. Part I covers the big picture--strategies and philosophies--while Part 2 gets down to specific "tactical and practical" advice for initial encounters of all kinds in the professional world. The concluding section for the advanced reader shows how to master the art of the first impression by embracing one's ACE (audience, culture, and environment), as well as how to approach the "virtual first impression" when initial introductions are made via telephone, teleconference, or the Web. * Illustrations and photographs * A rich bibliography of nearly 150 resources cited by the authors * A comprehensive index * Numerous checklists

Building Scalable and High-performance Java Web Applications Using J2EE Technology

Web engineering is a new discipline that addresses the pressing need for syst- atic and tool-supported approaches for the development, maintenance and te- ing of Web applications. Web engineering builds upon well-known and succe- ful software engineering principles and practices, adapting them to the special characteristics of Web applications. Even more relevant is the enrichment with methods and techniques stemming from related areas like hypertext authoring, human-computer interaction, content management, and usability engineering. The goal of the 4th International Conference on Web Engineering (ICWE 2004), inlinewiththepreviousICWEconferences,wastoworktowardsabetterund- standing of the issues related to Web application development. Special attention was paid to emerging trends, technologies and future visions, to help the a- demic and industrial communities identify the most challenging tasks for their research and projects. Following a number of successful workshops on Web engineering since 1997 at well-known conferences, such as ICSE and WWW, the ?rst conference on Web engineering was held in C´aceres, Spain in 2001. It was followed by ICWE 2002 in Santa Fe, Argentina and ICWE 2003 in Oviedo, Spain. In 2004 ICWE moved to the center of Europe and was held in Munich, Germany from July 26 to 30. ICWE 2004 was organized by the Institute for Informatics of the Ludwig- Maximilians-Universit¨ at (LMU) Munich. The ICWE 2004 edition received a total of 204 submissions, out of which 25 paperswereselectedbytheProgramCommitteeasfullpapers(12%acceptance).

UNIX For Dummies

Web Archiving

Web accessibility not just morally sound – there are legal obligations as well Very large potential audience, consisting of web developers and business managers Very little competition to this book

Beginning Ajax with ASP.NET

This book constitutes the refereed proceedings of the International RuleML Symposium on Rule Interchange and Applications, RuleML 2008, held in Orlando, FL, USA, in October 2008 - collocated with the 11th International Business Rules Forum. The 10 revised full papers and 10 revised short papers presented together with 2 demo papers and the abstracts of 3 keynote lectures were carefully reviewed and selected from 35 submissions. The papers are organized in topical sections on rule engineering, rule-based methodologies and applications in policies, electronic contracts and security, rule representation languages and reasoning engines, rule-based methodologies and applications in distributed and heterogeneous environments, natural-language and graphical rule representation and processing, as well as exemplary contributions to the RuleML-2008 challenge.

Advances in Software Engineering

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 PhD 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) In parallel to the printed book, each new volume is published electronically in LNCS Online. Book jacket.

Real World Digital Photography

This valuable handbook is a comprehensive compilation of state-of-art advances on security in computer networks. More than 40 internationally recognized authorities in the field of security and networks contribute articles in their areas of expertise. These international researchers and practitioners are from highly-respected universities, renowned research institutions and IT companies from all over the world. Each self-contained chapter covers one essential research topic on security in computer networks. Through the efforts of all the authors, all chapters are written in a uniformed style; each containing a comprehensive overview, the latest pioneering work and future research direction of a research topic.

Topological Geometrodynamics

Scaling Java enterprise applications beyond just programming techniques--this is the next level. This volume covers all the technologies Java developers need to build scalable, high-performance Web applications. The book also covers servlet-based session management, EJB application logic, database design and integration, and more.

Web Engineering

The International Semantic Web Conference (ISWC) and the European Sem-ticWebConference(ESWC)presentthelatestresultsinresearchandapplication oftheSemanticWeb technologies. Bothhavecontributedto thepromotionof- searchontheSemanticWebintheirrespectiveregions. ResearchontheSemantic Web needs global activity which necessarily requires the spread of the Semantic Web overAsia whereit has beenunder development. The seriesofAsianSem- tic Web Conferences(ASWC) havethereforebeen establishedwith the intention of fostering researchand development of the Semantic Web and its related te- nologyinAsiabytheEastWebproject,http://odle. dit. unitn. it/eastweb/,whose objectives include fostering and promoting the cooperation between European and Asian Institutions involved in IT education and research. The ?rst ASWC was held in Beijing, during September 3-7, 2006, in this context. We initially received 253 submissions and found 221 valid submissions of abstracts after a screening process. We ?nally received 208 full papers each of which was reviewed seriously by three Program Committee members and we accepted 36 full papers and 36 short papers. The acceptance rate of full papers is 18%, which we are proud of. The acceptance rate of all the accepted papers is 36%. Di'erently from ISWC/ESWC, industrial track papers of ASWC 2006 were reviewed by the Program Committee of the research track with the same quality level but with di'erent criteria, that is, practicality was considered more importantthanoriginality. Weacceptedeightpapers,fourofthemarefullpapers andfourshortpapers,whichareincludedintheabove-mentioned72papers. The major characteristic of the topics of ASWC 2006 is that 1/4 of the total papers are ontology related.

The Semantic Web – ASWC 2006

A Semantic Web Primer

Imagine sending a magazine article to 10 friends-making photocopies, putting them in envelopes, adding postage, and mailing them. Now consider how much easier it is to send that article to those 10 friends as an attachment to e-mail. Or to post the article on your own site on the World Wide Web. The ease of modifying or copying digitized material and the proliferation of computer networking have raised fundamental questions about copyright and patent--intellectual property protections rooted in the U.S. Constitution. Hailed for quick and convenient access to a world of material, the Internet also poses serious economic issues for those who create and market that material. If people can so easily send music on the Internet for free, for example, who will pay for music? This book presents the multiple facets of digitized intellectual property, defining terms, identifying key issues, and exploring alternatives. It follows the complex threads of law, business, incentives to creators, the American tradition of access to information, the international context, and the nature of human behavior. Technology is explored for its ability to transfer content and its potential to protect intellectual property rights. The book proposes research and policy recommendations as well as principles for policymaking.

Java All-In-One Desk Reference For Dummies

This book assembles contributions from computer scientists and librarians that altogether encompass the complete range of tools, tasks and processes needed to successfully preserve the cultural heritage of the Web. It combines the librarian's application knowledge with the computer scientist's implementation knowledge, and serves as a standard introduction for everyone involved in keeping alive the immense amount of online information.

PHP by Example

This collection examines the risks and social opportunities created by the growth of information and communication technologies. In particular, the contributors analyze how digital inclusion is affected by the social and cultural contexts of access around the world.

Standard for Telephone Equipment

This important new book takes a critical view on regional industry clusters, in particular their identification and formation, and the policies which help create and support them.

Knowledge Technologies

This comprehensive study offers a critical, comparative analysis of the sources available on Bardaisan and a reinterpretation of his thought. The study highlights the profound points of contact between Bardaisan, Origen, and their schools; the role of Plato's Timaeus and Middle Platonism in Bardaisan's thought, and Stoicism. Bardaisan's thought emerges as a deeply Christian one, depending on the exegesis of Scripture read in the light of Greek philosophy. Positive ancient sources present him as a deacon or even a presbyter, as an author of refutations of Marcionism and Gnosticism, and as a confessor of the faith during persecution.

Passive and Active Measurement

Praise for Core Python Programming The Complete Developer's Guide to Python New to Python? The definitive guide to Python development for experienced programmers Covers core language features thoroughly, including those found in the latest Python releases–learn more than just the syntax! Learn advanced topics such as regular expressions, networking, multithreading, GUI, Web/CGI, and Python extensions Includes brand-new material on databases, Internet clients, Java/Jython, and Microsoft Office, plus Python 2.6 and 3 Presents hundreds of code snippets, interactive examples, and practical exercises to strengthen your Python skills Python is an agile, robust, expressive, fully object-oriented, extensible, and scalable programming language. It combines the power of compiled languages with the simplicity and rapid development of scripting languages. In Core Python Programming, Second Edition , leading Python developer and trainer Wesley Chun helps you learn Python quickly and comprehensively so that you can immediately succeed with any Python project. Using practical code examples, Chun introduces all the fundamentals of Python programming: syntax, objects and memory management, data types, operators, files and I/O, functions, generators, error handling and exceptions, loops, iterators, functional programming, object-oriented programming and more. After you learn the core fundamentals of Python, he shows you what you can do with your new skills, delving into advanced topics, such as regular expressions, networking programming with sockets, multithreading, GUI development, Web/CGI programming and extending Python in C. This edition reflects major enhancements in the Python 2.x series, including 2.6 and tips for migrating to 3. It contains new chapters on database and Internet client programming, plus coverage of many new topics, including new-style classes, Java and Jython, Microsoft Office (Win32 COM Client) programming, and much more. Learn professional Python style, best practices, and good programming habits Gain a deep understanding of Python's objects and memory model as well as its OOP features, including those found in Python's new-style classes Build more effective Web, CGI, Internet, and network and other client/server applications Learn how to develop your own GUI applications using Tkinter and other toolkits available for Python Improve the performance of your Python applications by writing extensions in C and other languages, or enhance I/O-bound applications by using multithreading Learn about Python's database API and how to use a variety of database

systems with Python, including MySQL, Postgres, and SQLite Features appendices on Python 2.6 & 3, including tips on migrating to the next generation!

Population Situation Analysis (PSA)

Advances in new equipment, new processes, and new technology are the driving forces in improvements in energy management, energy efficiency and energy cost control. The purpose of this book is to document the operational experience with web based systems in actual facilities and in varied applications, and to show how new opportunities have developed for energy and facility managers to quickly and effectively control and manage their operations. You'll find information on what is actually happening at other facilities, and see what is involved for current and future installations of internet-based technologies. The case studies and applications described should greatly assist energy, facility and maintenance managers, as well as consultants and control systems development engineers.

Digital Inclusion

Eight minibooks comprising nearly 900 pages give developers the tips and techniques they need to get up and running on the new J2SE 6 (Java Standard Edition 6) and JDK 6 (Java Development Kit 6) This friendly, all-inclusive reference delivers the lowdown on Java language and syntax fundamentals as well as Java server-side programming, with explanations, reference information, and how-to instructions for both beginning and intermediate-to-advanced programmers Minibooks cover Java basics; programming basics; strings, arrays, and collections; programming techniques; Swing; Web programming; files and databases; and fun and games

The Grid

Essential Bioinformatics is a concise yet comprehensive textbook of bioinformatics, which provides a broad introduction to the entire field. Written specifically for a life science audience, the basics of bioinformatics are explained, followed by discussions of the state-of-the-art computational tools available to solve biological research problems. All key areas of bioinformatics are covered including biological databases, sequence alignment, genes and promoter prediction, molecular phylogenetics, structural bioinformatics, genomics and proteomics. The book emphasizes how computational methods work and compares the strengths and weaknesses of different methods. This balanced yet easily accessible text will be invaluable to students who do not have sophisticated computational backgrounds. Technical details of computational algorithms are explained with a minimum use of mathematical formulae; graphical illustrations are used in their place to aid understanding. The effective synthesis of existing literature as well as in-depth and up-to-date coverage of all key topics in

bioinformatics make this an ideal textbook for all bioinformatics courses taken by life science students and for researchers wishing to develop their knowledge of bioinformatics to facilitate their own research.

Impressive First Impressions

Web Accessibility

This book provides a comprehensive overview on several aspects of remote laboratories development and usage, and their potential impact in the teaching and learning processes using selected e-learning experiences.The book is based on the presentations and discussions carried out at «International Meeting on Professional Remote Laboratories», which took place in University of Deusto, Bilbao, in the period of November 16-17, 2006. Apart from chapters based on the presentations, some others have also been included in this book. In this way, we hope to give a broad, well balanced and up-to-date picture of the current status of remote labs and their role within the e-learning paradigm.

Quantum Computing

Wireless Sensor Networks presents the latest practical solutions to the design issues presented in wireless-sensor-network-based systems. Novel features of the text, distributed throughout, include workable solutions, demonstration systems and case studies of the design and application of wireless sensor networks (WSNs) based on the first-hand research and development experience of the author, and the chapters on real applications: building fire safety protection; smart home automation; and logistics resource management. Case studies and applications illustrate the practical perspectives of: · sensor node design; · embedded software design; · routing algorithms; · sink node positioning; · co-existence with other wireless systems; · data fusion; · security; · indoor location tracking; · integrating with radio-frequency identification; and · Internet of things Wireless Sensor Networks brings together multiple strands of research in the design of WSNs, mainly from software engineering, electronic engineering, and wireless communication perspectives, into an over-arching examination of the subject, benefiting students, field engineers, system developers and IT professionals. The contents have been well used as the teaching material of a course taught at postgraduate level in several universities making it suitable as an advanced text book and a reference book for final-year undergraduate and postgraduate students.

Bardaisan of Edessa

Architecting Dependable Systems III

As software systems become ubiquitous, the issues of dependability become more and more crucial. Given that solutions to these issues must be considered from the very beginning of the design process, it is reasonable that dependability is addressed at the architectural level. This book comes as a result of an effort to bring together the research communities of software architectures and dependability. This state-of-the-art survey contains 16 carefully selected papers originating from the Twin Workshops on Architecting Dependable Systems (WADS 2004) accomplished as part of the International Conference on Software Engineering (ICSE 2004) in Edinburgh, UK and of the International Conference on Dependable Systems and Networks (DSN 2004) in Florence, Italy. The papers are organised in topical sections on architectures for dependable services, monitoring and reconfiguration in software architectures, dependability support for software architectures, architectural evaluation, and architectural abstractions for dependability.

Visual Basic 2005 Express Edition For Dummies

This three-volume book highlights significant advances in the development of new information systems technologies and architectures. Further, it helps readers solve specific research and analytical problems and glean useful knowledge and business value from data. Each chapter provides an analysis of a specific technical problem, followed by a numerical analysis, simulation, and implementation of the solution to the real-world problem. Managing an organization, especially in today's rapidly changing environment, is a highly complex process. Increased competition in the marketplace, especially as a result of the massive and successful entry of foreign businesses into domestic markets, changes in consumer behaviour, and broader access to new technologies and information, calls for organisational restructuring and the introduction and modification of management methods using the latest scientific advances. This situation has prompted various decision-making bodies to introduce computer modelling of organization management systems. This book presents the peer-reviewed proceedings of the 40th Anniversary International Conference "Information Systems Architecture and Technology" (ISAT), held on September 15–17, 2019, in Wrocław, Poland. The conference was organised by the Computer Science Department, Faculty of Computer Science and Management, Wroclaw University of Sciences and Technology, and University of Applied Sciences in Nysa, Poland. The papers have been grouped into three major sections: Part I—discusses topics including, but not limited to, artificial intelligence methods, knowledge discovery and data mining, big data, knowledge-based management, Internet of Things, cloud computing and high-performance computing, distributed computer systems, content delivery networks, and service-oriented computing. Part II—addresses various topics, such as system modelling for control, recognition and decision support, mathematical modelling in computer system design, service-oriented systems, and cloud computing, and complex process modelling. Part III—focuses on a number of themes, like knowledge-based management, modelling of financial and investment decisions, modelling of managerial decisions,

production systems management, and maintenance, risk management, small business management, and theories and models of innovation.

Web-based Instruction

Since its original inception back in 1989 the Web has changed into an environment where Web applications range from small-scale information dissemination applications, often developed by non-IT professionals, to large-scale, commercial, enterprise-planning and scheduling applications, developed by multidisciplinary teams of people with diverse skills and backgrounds and using cutting-edge, diverse technologies. As an engineering discipline, Web engineering must provide principles, methodologies and frameworks to help Web professionals and researchers develop applications and manage projects effectively. Mendes and Mosley have selected experts from numerous areas in Web engineering, who contribute chapters where important concepts are presented and then detailed using real industrial case studies. After an introduction into the discipline itself and its intricacies, the contributions range from Web effort estimation, productivity benchmarking and conceptual and model-based application development methodologies, to other important principles such as usability, reliability, testing, process improvement and quality measurement. This is the first book that looks at Web engineering from a measurement perspective. The result is a self-containing, comprehensive overview detailing the role of measurement and metrics within the context of Web engineering. This book is ideal for professionals and researchers who want to know how to use sound principles for the effective management of Web projects, as well as for courses at an advanced undergraduate or graduate level.

Concepts Of Programming Languages

UNIX For Dummies has been the standard for beginning UNIX references for nearly ten years, and this latest edition continues that tradition of success This unparalled resource is updated to cover the latest applications of UNIX technology, including Linux and Mac desktops as well as how UNIX works with Microsoft server software Thorough coverage of how to handle UNIX installation, file management, software, utilities, networks, Internet access, and other basic tasks Aimed at the first-time UNIX desktop user growing accustomed to the ins and outs of the OS, as well as the beginning administrator who needs to get a handle on UNIX networking basics Written by John Levine and Margaret Levine Young, longtime UNIX experts and highly experienced For Dummies authors

Handbook Of Security And Networks

Topological geometrodynamics (TGD) is a modification of the theory of general relativity inspired by the problems related to

the definition of inertial and gravitational energies in the earlier hypotheses. TGD is also a generalization of super string models. TGD brings forth an elegant theoretical projection of reality and builds upon the work by renowned scientists (Wheeler, Feynman, Penrose, Einstein, Josephson to name a few). In TGD, Physical space-time planes are visualized as four-dimensional surfaces in a certain 8-dimensional space (H). The choice of H is fixed by symmetries of standard model and leads to a geometric mapping of known classical fields and elementary particle numbers. TGD differs from Einstein's geometrodynamics in the way space-time planes or 'sheets' are lumped together. Extending the theory based on fusing number concepts implies a further generalisation of the space-time concept allowing the identification of space-time correlates of cognition and intentionality. Additionally, zero energy ontology forces an extension of quantum measurement theory to a theory of consciousness and a hierarchy of phases is identified. Dark matter is thus predicted with far reaching implications for the understanding of consciousness and living systems. Therefore, it sets a solid foundation for modeling our universe in geometric terms. Topological Geometrodynamics: An Overview explains basic and advanced concepts about TGD. The book covers introductory information and classical TGD concepts before delving into twistor-space theory, particle physics, infinite-dimensional spinor geometry, generalized number theory, Planck constants, and the applications of TGD theory in research. The book is a valuable guide to TDG theory for researchers and advanced graduates in theoretical physics and cosmology.

Essential Bioinformatics

Quantum mechanics, the subfield of physics that describes the behavior of very small (quantum) particles, provides the basis for a new paradigm of computing. First proposed in the 1980s as a way to improve computational modeling of quantum systems, the field of quantum computing has recently garnered significant attention due to progress in building small-scale devices. However, significant technical advances will be required before a large-scale, practical quantum computer can be achieved. Quantum Computing: Progress and Prospects provides an introduction to the field, including the unique characteristics and constraints of the technology, and assesses the feasibility and implications of creating a functional quantum computer capable of addressing real-world problems. This report considers hardware and software requirements, quantum algorithms, drivers of advances in quantum computing and quantum devices, benchmarks associated with relevant use cases, the time and resources required, and how to assess the probability of success.

Core Python Programming

This updated edition of the classic covers new tools and trends, including current browsers, access methods, hardware, and software. Includes tips to secure project funding and provides strategic guidance for all types of libraries.

The Economics of Regional Clusters

This book constitutes the thoroughly refereed post-proceedings of the 21st International Workshop on Implementation and Applications of Functional Languages, IFL 2000, held in South Orange, NJ, USA, in September 2009. The 13 revised full papers presented were carefully reviewed and were selected from numerous submissions. The IFL symposia bring together researchers and practitioners that are actively engaged in the implementation and the use of functional and function based programming languages. Every year IFL provides a venue for the presentation and discussion of new ideas and concepts, of work in progress, and of publication-ripe results.

Wireless Sensor Networks

"Provides the basis for an integrated appraisal of population and reproductive health dynamics and their linkages and impacts on poverty, inequality and development. Furthermore, by integrating a micro and macro analytical approach, the PSA makes the interactions between individual behaviour and demographic dynamics explicit."--Foreword.

Advances on remote laboratories and e-learning experiences

As future generation information technology (FGIT) becomes specialized and fr- mented, it is easy to lose sight that many topics in FGIT have common threads and, because of this, advances in one discipline may be transmitted to others. Presentation of recent results obtained in different disciplines encourages this interchange for the advancement of FGIT as a whole. Of particular interest are hybrid solutions that c- bine ideas taken from multiple disciplines in order to achieve something more signi- cant than the sum of the individual parts. Through such hybrid philosophy, a new principle can be discovered, which has the propensity to propagate throughout mul- faceted disciplines. FGIT 2009 was the first mega-conference that attempted to follow the above idea of hybridization in FGIT in a form of multiple events related to particular disciplines of IT, conducted by separate scientific committees, but coordinated in order to expose the most important contributions. It included the following international conferences: Advanced Software Engineering and Its Applications (ASEA), Bio-Science and Bio- Technology (BSBT), Control and Automation (CA), Database Theory and Appli- tion (DTA), Disaster Recovery and Business Continuity (DRBC; published indepe- ently), Future Generation Communication and Networking (FGCN) that was c- bined with Advanced Communication and Networking (ACN), Grid and Distributed Computing (GDC), Multimedia, Computer Graphics and Broadcasting (MulGraB), Security Technology (SecTech), Signal Processing, Image Processing and Pattern Recognition (SIP), and u- and e-Service, Science and Technology (UNESST).

Information Systems Architecture and Technology: Proceedings of 40th Anniversary

International Conference on Information Systems Architecture and Technology – ISAT 2019

Upwelling areas are among the most fertile regions of the ocean. In principle, upwelling is caused by the divergence of the flow in the surface layer of the ocean which arises as a consequence of a particular wind field, the presence of a coastline, or other special conditions. Since deeper oceanic layers are usually enriched wi th nutrients, it is the permanent supply of nutrients which forms the basis for the high producti vi ty of upwelling reg ions. The study of upwelling and its consequences were, for a long time, the task of individual scientists from all disciplines of marine science. Today, it is perhaps the branch of oceanography where interdisciplinary coopera tion has developed best. Becoming aware of the large potential yield of upwelling regions, governments in creased the funds for upwelling research. With research activities developed on a larger scale, interdisciplin ary cooperation became a necessity. On the international level, several symposia documented the rapid development. Three volumes reflect the results of these scientific meetings (Rapp. Proc.-Verb. 159, 1970; Inv. Pesq. 35, 1, 1971; Tethys §.' 1-2, 1974). The present book contains selected papers from the Third Symposium on Upwelling Ecosystems, which was held in Kiel in September 1975. Although the third of a series of meetings, it was the first where the word "ecosystem" stood in the title for a scientific program.

TinyML

Deep learning networks are getting smaller. Much smaller. The Google Assistant team can detect words with a model just 14 kilobytes in size—small enough to run on a microcontroller. With this practical book you'll enter the field of TinyML, where deep learning and embedded systems combine to make astounding things possible with tiny devices. Pete Warden and Daniel Situnayake explain how you can train models small enough to fit into any environment. Ideal for software and hardware developers who want to build embedded systems using machine learning, this guide walks you through creating a series of TinyML projects, step-by-step. No machine learning or microcontroller experience is necessary. Build a speech recognizer, a camera that detects people, and a magic wand that responds to gestures Work with Arduino and ultra-low-power microcontrollers Learn the essentials of ML and how to train your own models Train models to understand audio, image, and accelerometer data Explore TensorFlow Lite for Microcontrollers, Google's toolkit for TinyML Debug applications and provide safeguards for privacy and security Optimize latency, energy usage, and model and binary size

Implementation and Application of Functional Languages

A new edition of the widely used guide to the key ideas, languages, and technologies of the Semantic Web The development of the Semantic Web, with machine-readable content, has the potential to revolutionize the World Wide Web and its uses. A Semantic Web Primer provides an introduction and guide to this continuously evolving field, describing its

key ideas, languages, and technologies. Suitable for use as a textbook or for independent study by professionals, it concentrates on undergraduate-level fundamental concepts and techniques that will enable readers to proceed with building applications on their own and includes exercises, project descriptions, and annotated references to relevant online materials. The third edition of this widely used text has been thoroughly updated, with significant new material that reflects a rapidly developing field. Treatment of the different languages (OWL2, rules) expands the coverage of RDF and OWL, defining the data model independently of XML and including coverage of N3/Turtle and RDFa. A chapter is devoted to OWL2, the new W3C standard. This edition also features additional coverage of the query language SPARQL, the rule language RIF and the possibility of interaction between rules and ontology languages and applications. The chapter on Semantic Web applications reflects the rapid developments of the past few years. A new chapter offers ideas for term projects. Additional material, including updates on the technological trends and research directions, can be found at http://www.semanticwebprimer.org.

Rule Representation, Interchange and Reasoning on the Web

Find out which technologies enable the Grid and how to employ them successfully! This invaluable text provides a complete, clear, systematic, and practical understanding of the technologies that enable the Grid. The authors outline all the components necessary to create a Grid infrastructure that enables support for a range of wide-area distributed applications. The Grid: Core Technologies takes a pragmatic approach with numerous practical examples of software in context. It describes the middleware components of the Grid step-by-step, and gives hands-on advice on designing and building a Grid environment with the Globus Toolkit, as well as writing applications. The Grid: Core Technologies: Provides a solid and up-to-date introduction to the technologies that underpin the Grid. Contains a systematic explanation of the Grid, including its infrastructure, basic services, job management, user interaction, and applications. Explains in detail OGSA (Open Grid Services Architecture), Web Services technologies (SOAP, WSDL, UDDI), and Grid Monitoring. Covers Web portal-based tools such as the Java CoG, GridPort, GridSphere, and JSR 168 Portlets. Tackles hot topics such as WSRF (Web Services Resource Framework), the Semantic Grid, the Grid Security Infrastructure, and Workflow systems. Offers practical examples to enhance the understanding and use of Grid components and the associated tools. This rich resource will be essential reading for researchers and postgraduate students in computing and engineering departments, IT professionals in distributed computing, as well as Grid end users such as physicists, statisticians, biologists and chemists.

Web Based Energy Information and Control Systems

Explains how to use the server-side, open-source HTML-embedded scripting language to access data in Web pages.

Upwelling Ecosystems

Whether you're a serious photographer or a hobbyist, the advice and instruction found in this comprehensive, best-selling guide to digital photography will help you advance your skills to produce consistent professional results. Real World Digital Photography addresses the wide range of topics surrounding digital photography, including up-to-date descriptions Pof the latest camera technologies, expert advice for taking better photographs, and tips and techniques for optimizing images to look their best in print and on the Web. Adventurous photographers can explore new sections explaining high dynamic range as well as panoramic and night photography. You'll also learn how to establish an effective, efficient workflow using Adobe Photoshop Lightroom and Adobe Photoshop — the two must-have tools for any serious photographer. In Real World Digital Photography, Third Edition you'll learn about: The essential technical considerations and professional skills to improve your photography How digital cameras work and the resulting impact on how and what you photograph Fundamentals of digital photography, including how to use lighting, composition, and lens choice to create compelling images How to establish a digital editing workflow that produces successful, repeatable, reliable results Practical image-editing techniques to improve tone and contrast, correct colors, enhance sharpness, and more How to photograph source images to create stunning high dynamic range and panoramic photographs The essential requirements of a professional color-managed workflow so that what you see is really what you print Expanding your creative options with night photography, time lapse, and stop motion photography As you're reading the book, share your photographs with the authors and others reading it via the book's Flickr group at flickr.com/groups/RealWorldDigitalPhotography.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION