

Interfaces Implementations Techniques Creating Reusable

"This book clarifies the present fast-advancing literature of the current state of art and knowledge in the areas of the development and reuse of reusable assets in emerging software systems and applications"--Provided by publisher.

This book constitutes the refereed proceedings of the 8th International Conference on Software Reuse, ICSR-8, held in Madrid, Spain in July 2004. The 28 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on software variability: requirements; testing reusable software; feature modeling; aspect-oriented software development; component and service development; code level reuse; libraries, classification, and retrieval; model-based approaches; transformation and generation; and requirements.

Author Steven Sanderson has seen the ASP.NET MVC Framework mature from the start, so his experience, combined with comprehensive coverage of all the new features, including those in the official MVC development toolkit, offers the clearest understanding of how this exciting new framework can improve your coding efficiency. With this book, you'll gain invaluable up-to-date knowledge of security, deployment, and interoperability challenges. The ASP.NET MVC 2 Framework introduces a radical high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET 3.5. In this book, the core model-view-controller (MVC) architectural concepts are not simply explained or discussed in isolation, but are demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with C# language features and unit-testing best practices. By gaining this invaluable, practical experience, you'll discover MVC's strengths and weaknesses for yourself—and put your best-learned theory into practice.

Microtechnologies and their corresponding CAD tools have meanwhile reached a level of sophistication that requires the application of theoretical means on all modelling levels of design and analysis. Also, there is a growing need for a scientific approach in modelling again. Many concepts provided by Systems Theory again turn out to be of major importance. This is especially valid for the design of "machines with intelligent behaviour". When dealing with complex systems, the engineering design has to be supported by CAD tools. Consequently, the methods of Systems Theory must also get computerized. The newly established field of "Computer Aided Systems Theory" (CAST) is a first effort in this direction. The goal of CAST research and development is to provide "Systems Theory Method Banks" which can be used in education and to provide a platform for the migration of CAST methods into existing CAD tools. This book, basing on different research and development projects in CAST, is written for engineers who are interested in using and developing CAST systems, particularly in the field of Information and Systems Engineering.

To build today's highly distributed, networked applications and services, you need deep mastery of sockets and other key networking APIs. One book delivers comprehensive, start-to-finish guidance for building robust, high-performance networked systems in any environment: UNIX Network Programming, Volume 1, Third Edition.

This book constitutes the proceedings of the 25th International Conference on Parallel and Distributed Computing, Euro-Par 2019, held in Göttingen, Germany, in August 2019. The 36 full papers presented in this volume were carefully reviewed and selected from 142 submissions. They deal with parallel and distributed computing in general, focusing on support tools and environments; performance and power modeling, prediction and evaluation; scheduling and load balancing; high performance architectures and compilers; data management, analytics and deep learning; cluster and cloud computing; distributed systems and algorithms; parallel and distributed programming, interfaces, and languages; multicore and manycore parallelism; theory and algorithms for parallel computation and networking; parallel numerical methods and applications; accelerator computing; algorithms and systems for bioinformatics; and algorithms and systems for digital humanities.

Esta enciclopedia presenta numerosas experiencias y discernimientos de profesionales de todo el mundo sobre discusiones y perspectivas de la interacción hombre-computadoras

Introduces the authors' philosophy of Internet security, explores possible attacks on hosts and networks, discusses firewalls and virtual private networks, and analyzes the state of communication security.

Describes all phases of a modern compiler, including techniques in code generation and register allocation for imperative, functional and object-oriented languages.

Introduces programmers to the generic programming paradigm and to the C++ Standard Template Library and its use as an extensible framework for generic and interoperable components. Explains ideas underlying generic programming and shows how to create algorithms decoupled from the types and data structures they operate on, and how to write more efficient code that can be used and reused across platforms. Assumes familiarity with C++ and algorithms. Annotation copyrighted by Book News, Inc., Portland, OR

Índice abreviado: General techniques -- Objects and equality -- Exception handling -- Performance -- Multithreading -- Classes and interfaces -- Appendix: learning Java.

Shows how to create reusable APIs using interface-based design, a language-independent methodology that separates interfaces from their implementations. Details 24 interfaces and their implementations and looks at eight sample applications, presenting them as literate programs with explanations interwoven with source code. Focuses on algorithm engineering and how to package data structures and related algorithms into reusable models. For C programmers, and students with a previous undergraduate introductory programming course. Annotation copyrighted by Book News, Inc., Portland, OR

Algorithms in C++ contains exercises to help students learn the properties of algorithms with a greater emphasis on abstract data types, modular programming, object oriented programming

and C++ classes.

You need a graphical user interface, and it needs to run on multiple platforms. You don't have much time, and you're not a wizard with X/Motif, the Win32 GUI, or the Mac GUI. The project seems impossible, but with Tcl/Tk it's simple and fun. The Tcl scripting language and the Tk toolkit create a powerful programming environment for building graphical user interfaces. With two lines of code you can create a simple button; with two hundred lines of code, a desktop calculator; and with a thousand lines of code, an industrial-strength groupware calendar and appointment minder. Your applications run on all of the major platforms: UNIX, Windows 95/NT, and Macintosh. You can even embed your programs in a Web page to make them available online. Mark Harrison and Michael McLennan, two noted Tcl/Tk experts, combine their extensive experience in this practical programming guide. It is ideal for developers who are acquainted with the basics of Tcl/Tk and are now moving on to build real applications. Effective Tcl/Tk Programming shows you how to build Tcl/Tk applications effectively and efficiently through plenty of real-world advice. It clarifies some of the more powerful aspects of Tcl/Tk, such as the packer, the canvas widget, and binding tags. The authors describe valuable design strategies and coding techniques that will make your Tcl/Tk projects successful. You will learn how to: Create interactive displays with the canvas widget Create customized editors with the text widget Create new geometry managers, like tabbed notebooks or paned windows Implement client/server architectures Handle data structures Interface with existing applications Package Tcl/Tk code into reusable libraries Deliver Tcl/Tk applications that are easy to configure and install Embed applications in a Web page Build applications that will run on multiple platforms Throughout the book, the authors develop numerous applications and a library of reusable components. Learn from their approach, follow their strategies, and steal their code for your own applications! But don't bother retyping all of the examples. 0201634740B04062001

This book constitutes the refereed proceedings of the 6th International Conference on Software Reuse, ICSR-6, held in Vienna, Austria, in June 2000. The 26 revised full papers presented were carefully reviewed and selected from numerous submissions. The book is divided into topical sections on generative reuse and formal description languages, object-oriented methods, product line architectures, requirements reuse and business modeling, components and libraries, and design patterns.

This title covers all software-related aspects of SoC design, from embedded and application-domain specific operating systems to system architecture for future SoC. It will give embedded software designers invaluable insights into the constraints imposed by the use of embedded software in an SoC context.

C Interfaces and Implementations Techniques for Creating Reusable Software Addison-Wesley

Provides information on Web site development using ASP.NET 2.0.

The Art of UNIX Programming poses the belief that understanding the unwritten UNIX engineering tradition and mastering its design patterns will help programmers of all stripes to become better programmers. This book attempts to capture the engineering wisdom and design philosophy of the UNIX, Linux, and Open Source software development community as it has evolved over the past three decades, and as it is applied today by the most experienced programmers. Eric Raymond offers the next generation of "hackers" the unique opportunity to learn the connection between UNIX philosophy and practice through careful case studies of the very best UNIX/Linux programs.

This book constitutes the refereed proceedings of the 24th International Symposium on Distributed Computing, DISC 2010, held in Cambridge, CT, USA, in September 2010. The 32 revised full papers, selected from 135 submissions, are presented together with 14 brief announcements of ongoing works; all of them were carefully reviewed and selected for inclusion in the book. The papers address all aspects of distributed computing, and were organized in topical sections on, transactions, shared memory services and concurrency, wireless networks, best student paper, consensus and leader election, mobile agents, computing in wireless and mobile networks, modeling issues and adversity, and self-stabilizing and graph algorithms.

This volume presents the keynote addresses, technical papers, and panel discussions from the May 2001 conference in Magdeburg, Germany. Papers describe the state-of-the-art in real-time systems. Topics include Java and hardware, dependability, networks and protocols, embedded systems, architecture, real-time object orientation, modeling, scheduling, real-time databases, RT Java, and UML-RT. Panel discussions center on issues like hardware/software codesign, the use of real-time distributed object computing, and real-time standards in COBRA, Java, and UML. Name index only. c. Book News Inc.

Finally, programmers that need to truly understand the TCP/IP protocol suite have a resource to turn to, "TCP/IP Illustrated". Instead of merely describing the RFC's, author Stevens takes an innovative "visual" approach which, combined with his writing style, results in an accessible guide to TCP/IP.

TCP/IP Illustrated, an ongoing series covering the many facets of TCP/IP, brings a highly-effective visual approach to learning about this networking protocol suite. TCP/IP Illustrated, Volume 2 contains a thorough explanation of how TCP/IP protocols are implemented. There isn't a more practical or up-to-date book this volume is the only one to cover the de facto standard implementation from the 4.4BSD-Lite release, the foundation for TCP/IP implementations run daily on hundreds of thousands of systems worldwide. Combining 500 illustrations with 15,000 lines of real, working code, TCP/IP Illustrated, Volume 2 uses a teach-by-example approach to help you master TCP/IP implementation. You will learn about such topics as the relationship between the sockets API and the protocol suite, and the differences between a host implementation and a router. In addition, the book covers the newest features of the 4.4BSD-Lite release, including multicasting, long fat pipe support, window scale, timestamp options, and protection against wrapped sequence numbers, and many other topics. Comprehensive in scope, based on a working standard, and thoroughly illustrated, this book is an indispensable resource for anyone working with TCP/IP.

Corpus linguistics is a research approach to investigate the patterns of language use empirically, based on analysis of large collections of natural texts. While corpus-based analysis has had relatively little influence on theoretical linguistics, it has revolutionized the study of language variation and use: what speakers and writers actually do with the lexical and grammatical resources of a language. Corpus-based research employs the research methods of quantitative and qualitative social science to investigate language use patterns empirically. This four-volume collection is organized around linguistic research questions that can be investigated from a corpus perspective and includes amongst others studies of individual words, comparisons of supposedly synonymous words, studies of grammatical variation, and sociolinguistic studies of dialects, registers, styles, and world varieties. Corpus-based analysis has also proven to be important for the study of historical change.

In these volumes, Robert Sedgewick focuses on practical applications, giving readers all the information, diagrams and real code they need to confidently implement, debug and use the algorithms he presents.

Cookbook, deliverance from a long day (or night) at your computer could be just one recipe away.

After a dozen years of incremental changes, C# has become one of the most versatile programming languages available. With this comprehensive guide, you'll learn just how powerful the combination of C# 5.0 and .NET 4.5 can be. Author Ian Griffiths guides you through C# 5.0 fundamentals and teaches you techniques for building web and desktop applications, including Windows 8-style apps. Completely rewritten for experienced programmers, this book provides many code examples to help you work with the nuts and bolts of C# code, such as generics, dynamic typing, and the new asynchronous programming features. You'll also get up to speed on XAML, ASP.NET, LINQ, and other .NET tools. Discover how C# supports fundamental coding features such as classes, other custom types, collections, and error handling Understand the differences between dynamic and static typing in C# Query and process diverse data sources such as in-memory object models, databases, and XML documents with LINQ Use .NET's multithreading features to exploit your computer's parallel processing capabilities Learn how the new asynchronous language features can help improve application responsiveness and scalability Use XAML to create Windows 8-style, phone, and classic desktop applications

The five-volume set LNCS 8004--8008 constitutes the refereed proceedings of the 15th International Conference on Human-Computer Interaction, HCII 2013, held in Las Vegas, NV, USA in July 2013. The total of 1666 papers and 303 posters presented at the HCII 2013 conferences was carefully reviewed and selected from 5210 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. This volume contains papers in the thematic area of human-computer interaction, addressing the following major topics: HCI and human centred design; evaluation methods and techniques; user interface design and development methods and environments; aesthetics and kansei in HCI.

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