praise for design patterns in ruby design patterns in ruby documents smart ways to resolve many problems that ruby developers commonly encounter russ olsen has done a great job of selecting classic patterns and augmenting these with newer patterns that have special relevance for ruby he clearly explains each idea making a wealth of experience available to ruby developers for their own daily work steve metsker managing consultant with dominion digital inc this book provides a great demonstration of the key gang of four design patterns without resorting to overly technical explanations written in a precise yet almost informal style this book covers enough ground that even those without prior exposure to design patterns will soon feel confident applying them using ruby olsen has done a great job to make a book about a classically dry subject into such an engaging and even occasionally humorous read peter cooper this book renewed my interest in understanding patterns after a decade of good intentions russ picked the most useful patterns for ruby and introduced them in a straightforward and logical manner going beyond the gof s patterns this book has improved my use of ruby and encouraged me to blow off the dust covering the gof book mike stok design patterns in ruby is a great way for programmers from statically typed objectoriented languages to learn how design patterns appear in a more dynamic flexible language like ruby rob sanheim ruby ninja relevance most design pattern books are based on c and java but ruby is different and the language s unique qualities make design patterns easier to implement and use in this
book Russ Olsen demonstrates how to combine Ruby's power and elegance with patterns and write more sophisticated effective software with far fewer lines of code after reviewing the history concepts and goals of design patterns Olsen offers a quick tour of the Ruby language enough to allow any experienced software developer to immediately utilize patterns with Ruby the book especially calls attention to Ruby features that simplify the use of patterns including dynamic typing code closures and mixins for easier code reuse fourteen of the classic Gang of Four patterns are considered from the Ruby point of view explaining what problems each pattern solves discussing whether traditional implementations make sense in the Ruby environment and introducing Ruby specific improvements you'll discover opportunities to implement patterns in just one or two lines of code instead of the endlessly repeated boilerplate that conventional languages often require Design patterns in Ruby also identifies innovative new patterns that have emerged from the Ruby community these include ways to create custom objects with metaprogramming as well as the ambitious Rails based convention over configuration pattern designed to help integrate entire applications and frameworks engaging practical and accessible design patterns in Ruby will help you build better software while making your Ruby programming experience more rewarding this book constitutes the refereed proceedings of the 6th International Joint Conference on E-Business and Telecommunications ICETE 2009 held in Milan Italy in July 2009 the 34 revised full papers presented together with 4 invited papers in this volume were carefully reviewed and selected from 300 submissions they have passed two rounds of selection and improvement the papers are organized in topical sections on E-Business Security and Cryptography Signal Processing and Multimedia Applications Wireless Information Networks and Systems this book offers the latest the field has to offer in research methodologies frameworks and advances in the field of intelligent information technologies provided by publisher there may be no better way to learn how to program than by dissecting real representative examples written in your
language of choice ruby by example analyzes a series of ruby scripts examining how the code works explaining the concepts it illustrates and showing how to modify it to suit your needs baird s examples demonstrate key features of the language such as inheritance encapsulation higher order functions and recursion while simultaneously solving difficult problems such as validating xml creating a bilingual program and creating command line interfaces each chapter builds upon the previous and each key concept is highlighted in the margin to make it easier for you to navigate the book you ll learn how to use the interactive ruby shell irb to learn key features of the language extend ruby using rubygems the ruby package manager create numerical utilities as well as utilities that process and analyze html xml implement purely functional and metaprogramming techniques to save time and effort optimize profile and test your code to make sure that it not only does its job but does it well create web applications using rails ruby is the fastest growing programming language today and for good reason its elegant syntax and readable code make for prolific and happy programmers but it can be difficult to understand and implement without a little help ruby by example shows you how to take advantage of ruby as you explore ruby s fundamental concepts in action defining the various types of it architecture in the industry this one of a kind resource highlights the rewards of becoming an architect and explores the details of the deliverables project structure and how to approach their creation this book comprises selected papers of the third international conference on future generation information technology fgit 2011 held in jeju island korea in december 2011 the papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of advances in information technology they were selected from the following 13 conferences asea 2011 bsb t 2011 ca 2011 ces3 2011 drbc 2011 dta 2011 el 2011 fgcn 2011 gdc 2011 mulgrab 2011 sectech 2011 sip 2011 and unesst 2011 this volume constitutes the refereed proceedings of the international conferences el dta and unesst 2012 held as part of the future generation information technology
Conference FGIT 2012 Kangwondo Korea in December 2012, the papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of education and learning database theory and application and u and e service science and technology emerging scientific and industrial applications in today's world require significant computing power. Modern software tools are available for such platforms but are relatively complex and require the use of innovative programming models. One promising area in modern software design is the development analysis and implementation of algorithms and adaptive methods. These advancements in programming are promising but lack relevant research and understanding. Formal and adaptive methods for automation of parallel programs construction emerging research and opportunities is an essential reference source that solves the problem of the development of efficient models methods and tools for parallel programming automation based on the algebra of algorithms term rewriting and auto-tuning paradigms. The results of this book will help to further develop and improve existing research on design synthesis and optimization of sequential and parallel algorithms and programs featuring research on topics such as auto-tuning methods, graphics processing, and algorithmic language. This book is ideally designed for mathematicians, software engineers, data scientists, researchers, academicians, and students seeking coverage on developing tools for automated design and parallel programs. ISDF 2009, the first international conference on information security and digital forensics was held at City University London during September 7-8, 2009. The conference was organized as a meeting point for leading national and international experts of information security and digital forensics. The conference was rewarding in many ways. ISDF 2009 was an exciting and vibrant event with 4 keynote talks, 25 invited talks, and 18 full paper presentations. Those attending had the opportunity to meet and talk with many distinguished people who are responsible for shaping the area of information security. This conference was organized as part of two major research projects funded by the UK Engineering and Physical
sciences research council in the areas of security and
digital forensics i would like to thank all the people who
contributed to the technical program the most apparent of
these are the indian delegates who all accepted our invite
to give presentations at this conference less apparent
perhaps is the terrific work of the members of the
technical program committee especially in reviewing the
papers which is a critical and time consuming task i would
like to thank raj rajarajan city university london for
making the idea of the isdf 2009 conference a reality with
his hard work last but not least i would like to thank all
the authors who submitted papers making the conference
possible and the authors of accepted papers for their
cooperation dasun weerasinghe using a single continuing
case study as the vehicle to carry its story this book
shows how to realize business objectives in implementing
enterprise soas it has a feature that will be welcomed by
readers weary of vendor speak this book constitutes the
thoroughly refereed post conference proceedings of the
12fth international conference on high performance
computing in computational science vecpar 2016 held in
porto portugal in june 2016 the 20 full papers presented
were carefully reviewed and selected from 36 submissions
the papers are organized in topical sections on
applications performance modeling and analysis low level
support environments libraries to support parallelization
second edition of windows forms programming with c the
three volume set lnai 7196 lnai 7197 and lnai 7198
constitutes the refereed proceedings of the 4th asian
conference on intelligent information and database systems
aciids 2012 held in kaohsiung taiwan in march 2012 the 161
revised papers presented were carefully reviewed and
selected from more than 472 submissions the papers included
cover the following topics intelligent database systems
data warehouses and data mining natural language processing
and computational linguistics semantic social networks and
recommendation systems collaborative systems and
applications e bussiness and e commerce systems e learning
systems information modeling and requirements engineering
information retrieval systems intelligent agents and multi
agent systems intelligent information systems intelligent internet systems intelligent optimization techniques object relational dbms ontologies and knowledge sharing semi structured and xml database systems unified modeling language and unified processes services and semantic computer networks and communication systems the only book on webwork a cutting edge java web framework written by its two primary developers it shows how to build real world web applications based on hibernate including advanced techniques like internationalization data validation and component oriented design all true craftsmen need the best tools to do their finest work and programmers are no different java power tools delivers 30 open source tools designed to improve the development practices of java developers in any size team or organization each chapter includes a series of short articles about one particular tool whether it s for build systems version control or other aspects of the development process giving you the equivalent of 30 short reference books in one package no matter which development method your team chooses whether it s agile rup xp scrum or one of many others available java power tools provides practical techniques and tools to help you optimize the process the book discusses key java development problem areas and best practices and focuses on open source tools that can help increase productivity in each area of the development cycle including build tools including ant and maven 2 version control tools such as cvs and subversion the two most prominent open source tools quality metrics tools that measure different aspects of code quality including checkstyle pmd findbugs and jupiter technical documentation tools that can help you generate good technical documentation without spending too much effort writing and maintaining it unit testing tools including junit 4 testng and the open source coverage tool cobertura integration load and performance testing to integrate performance tests into unit tests load test your application and automatically test web services swing interfaces and web interfaces issue management tools including bugzilla and trac continuous integration tools such as continuum cruise control luntbuild and hudson if
you are a java developer these tools can help improve your development practices and make your life easier in the process lead developers software architects and people interested in the wider picture will be able to gather from these pages some useful ideas about improving your project infrastructure and best practices provides a single record of technologies and practices of the semantic approach to the management organization interpretation retrieval and use of based data the books lncs 6088 and 6089 constitute the refereed proceedings of the 7th european semantic conference eswc 2010 held in heraklion crete greece in may june 2010 the 52 revised full papers of the research track presented together with 10 phd symposium papers and 17 demo papers were carefully reviewed and selected from more than 245 submissions the papers are organized in topical sections on mobility track ontologies and reasoning track semantic web in use track sensor networks track part i and services and software track social web track web of data track demo and poster track phd symposium part ii intellj idea in action will help developers dig a little deeper into idea and embrace its streamlining features which allow for more time to be spent on project design rather than code management without some educational investment however idea can be just another editor that then is the purpose of this book to not only get you up and running quickly but to teach you how to use idea s powerful software development tools to their fullest advantage important product features including the debugger source code control and the many code generation tools are carefully explained and accompanied by tips and tricks that will leave even experienced idea users with eureka moments of informed programming coders just graduating from notepad and java ide veterans alike will profit from the powerful and timesaving expertise provided in this essential programmer s resource idea is a next generation ide for java an integrated development environment as the term ide implies idea integrates or combines all of the tools needed to develop java software into a single application and interface in other words idea is a tool that helps develop java applications more quickly easily and intelligently
idea can help with every phase of a project from design and
development to testing and deployment this book is based on
the intellij idea java development environment software
from jetbrains version 5.0 purchase of the print book comes
with an offer of a free pdf ebook from manning also
available is all code from the book this two volume set
consisting of lncs 7181 and lncs 7182 constitutes the
thoroughly refereed proceedings of the 13th international
conference on computer linguistics and intelligent
processing held in new delhi india in march 2012 the total
of 92 full papers were carefully reviewed and selected for
inclusion in the proceedings the contents have been ordered
according to the following topical sections nlp system
architecture lexical resources morphology and syntax word
sense disambiguation and named entity recognition semantics
and discourse sentiment analysis opinion mining and
emotions natural language generation machine translation
and multilingualism text categorization and clustering
information extraction and text mining information
retrieval and question answering document summarization and
applications hibernate quickly is a companion volume to
manning's hibernate in action which is a focused and
comprehensive book on the subject written by the project
founders the current book aims to give readers the 20 of
information they need 80 of the time it uses the pages
saved to orient the reader within the hibernate ecosystem
the peripheral technologies and techniques typically used
with hibernate this is the book readers are likely to turn
to if they want to get up and running quickly examples are
developed incrementally to demonstrate hibernate concepts
and to show how hibernate works with the other common
development tools and frameworks such as xdoclet struts
webwork spring and tapestry covers the newest version
hibernate 3 purchase of the print book comes with an offer
of a free pdf ebook from manning also available is all code
from the book this volume the 8th in the transactions on
aspect oriented software development series contains two
regular submissions and a special section consisting of
five papers on the industrial applications of aspect
technology the regular papers describe a framework for
constructing aspect weavers and patterns for reusable aspects the special section begins with an invited contribution on how aspectj is making its way from an exciting new hype topic to a valuable technology in enterprise computing the remaining four papers each cover different industrial applications of aspect technology which include a telecommunication platform a framework for embedding user assistance in independently developed applications a platform for digital publishing and a framework for program code analysis and manipulation the semantic extends the popular day to day enabling computers and people to effectively work together by giving information well defined meaning knitting the semantic explains the interdisciplinary efforts underway to build a more library like through semantic knitting the book examines foundation activities and initiatives leading to standardized semantic metadata these efforts lead to the semantic a network able to support computational activities and provide people with services efficiently leaders in library and information science computer science and information intensive domains provide insight and inspiration to give readers a greater understanding of the evolution of the semantic librarians and information professionals are uniquely qualified to play a major role in the development and maintenance of the semantic knitting the semantic closely examines this crucial relationship in detail this single source reviews the foundations standards and tools underlying the semantic and presents thoughtful perspectives in the context of 20 developments many chapters include figures to illustrate concepts and ideas and the entire text is extensively referenced topics in knitting the semantic include rdf its expressive power and its ability to underlie the new library catalog card for the coming century the value and application for controlled vocabularies skos simple knowledge organization system the newest semantic language managing scheme versioning in the semantic physnet portal service for physics semantic technologies in biomedicine developing the united nations food and agriculture ontology friend of a friend foaf vocabulary specification with a real world case study at a
university library 2 0 and more knitting the semantic is a stimulating resource for professionals researchers educators and students in library and information science computer science information architecture design and services the book titled prediction of stock market index movements with machine learning focuses on the performance of machine learning methods in forecasting the future movements of stock market indexes and identifying the most advantageous methods that can be used across different stock exchanges in this context applications have been conducted on both developed and emerging market stock exchanges the stock market indexes of developed countries such as nyse 100 nikkei 225 ftse 100 cac 40 dax 30 ftse mib tsx and the stock market indexes of emerging countries such as sse bovespa rts nifty 50 idx ipc and bist 100 were selected the movement directions of these stock market indexes were predicted using decision trees random forests k nearest neighbors naive bayes logistic regression support vector machines and artificial neural networks methods daily dataset from 01 01 2012 to 31 12 2021 along with technical indicators were used as input data for analysis according to the results obtained it was determined that artificial neural networks were the most effective method during the examined period alongside artificial neural networks logistic regression and support vector machines methods were found to predict the movement direction of all indexes with an accuracy of over 70 additionally it was noted that while artificial neural networks were identified as the best method they did not necessarily achieve the highest accuracy for all indexes in this context it was established that the performance of the examined methods varied among countries and indexes but did not differ based on the development levels of the countries as a conclusion artificial neural networks logistic regression and support vector machines methods are recommended as the most advantageous approaches for predicting stock market index movements presents an illustrated a z encyclopedia containing approximately 600 entries on computer and technology related topics this book constitutes the thoroughly refereed post workshop proceedings of 6

14097 Fire Controlman Supervisor covers fire controlman supervisor responsibilities, organization, administration, inspections, and maintenance supervision and training. Combat systems, subsystems, and their maintenance and weapons exercises are included.

14098 Fire Controlman Volume 01 Administration and Safety covers general administration, technical administration, electronics, safety, and hazardous materials as they pertain to the FC rating.

14099 Fire Controlman Volume 02 Fire Control Systems and Radar Fundamentals covers basic radar systems, fire control systems, and radar safety as they relate to the fire controlman rating.

14100 Fire Controlman Volume 03 Digital Data Systems covers computer and peripheral fundamentals and operations, configurations, and hardware. Operator controls and controlling units, components, and circuits, central processing units and buses, memories, input/output, and interfacing instructions and man-machine interfaces. Magnetic tape storage, magnetic disk storage, CD-ROM storage, printers, data conversion devices, and switchboards are included.

14101 Fire Controlman Volume 04 Fire Control Maintenance Concepts introduces the planned maintenance system and discusses methods for identifying and isolating system faults. Liquid cooling systems used by fire controlmen, battery alignment purpose, equipment, and alignment considerations, and radar collimation are covered.

14102 Fire Controlman Volume 05 Display Systems and Devices covers basic display devices and input devices associated with Navy Tactical Data Systems as used by the FC rating.

14103 Fire Controlman Volume 06 Digital Communications covers the fundamentals of data communications, the Link 11, and Link 4A.
systems and local area networks 14104a fireman provides information on the following subject areas engineering administration engineering fundamentals the basic steam cycle gas turbines internal combustion engines ship propulsion pumps valves and piping auxiliary machinery and equipment instruments shipboard electrical equipment and environmental controls as many medical and healthcare researchers have a love hate relationship with statistics the second edition of this practical reference book may make all the difference using practical examples mainly from the authors own research the book explains how to make sense of statistics turn statistical computer output into coherent information and help decide which pieces of information to report and how to present them the book takes you through all the stages of the research process from the initial research proposal through ethical approval and data analysis to reporting on and publishing the findings helpful tips and information boxes offer clear guidance throughout including easily followed instructions on how to develop a quantitative research proposal for ethical institutional approval or research funding write up the statistical aspects of a paper for publication choose and perform simple and more advanced statistical analyses describe the statistical methods and present the results of an analysis this new edition covers a wider range of statistical programs sas stata r and spss and shows the commands needed to obtain the analyses and how to present it whichever program you are using each specific example is annotated to indicate other scenarios that can be analysed using the same methods allowing you to easily transpose the knowledge gained from the book to your own research the principles of good presentation are also covered in detail from translating relevant results into suitable extracts through to randomised controlled trials and how to present a meta analysis an added ingredient is the inclusion of code and datasets for all analyses shown in the book on our website medical statistics info written by three experienced biostatisticians based in the uk and us this is a step by step guide that will be invaluable to researchers and postgraduate students in medicine those working in the
professions allied to medicine and statisticians in consultancy roles in the summer of 1956 John McCarthy organized the famous Dartmouth conference which is now commonly viewed as the founding event for the field of artificial intelligence. During the last 50 years, AI has seen a tremendous development and is now a well-established scientific discipline. All over the world, AI is in excellent shape as witnessed by the large number of high-quality papers in this publication. In comparison with ECAL 2004, there is a strong increase in the relative number of submissions from distributed AI agents and cognitive modelling. Knowledge representation reasoning is traditionally strong in Europe and remains the biggest area of ECAL 06. One reason the figures for case-based reasoning are rather low is that much of the high-quality work in this area has found its way into prestigious applications and is thus represented under the heading of Pais. This book constitutes the refereed proceedings of the second European Conference on Technology Enhanced Learning (EC-TEL 2007) held in Crete, Greece, in September 2007. The papers presented were carefully reviewed and selected from 116 submissions. The conference provides a unique forum for all research related to technology enhanced learning as well as its interactions with knowledge management, business processes, and work environments. Foundations of Computational Intelligence Volume 6: Data Mining—Theoretical Foundations and Applications. Finding information hidden in data is as theoretically difficult as it is practically important. With the objective of discovering unknown patterns from data, the methodologies of data mining were derived from statistics, machine learning, and artificial intelligence and are being used successfully in application areas such as bioinformatics, business, healthcare, banking, retail, and many others. Advanced representation schemes and computational intelligence techniques such as rough sets, neural networks, decision trees, fuzzy logic, evolutionary algorithms, artificial immune systems, swarm intelligence, reinforcement learning, association rule mining, intelligence paradigms, etc. have proved valuable when they are applied to data mining problems. Computational tools or solutions based on intelligence...
gent systems are being used with great success in data 
mining applications it is also observed that strong 
scientific advances have been made when issues from 
different research areas are integrated this volume 
comprises of 15 chapters including an overview chapter 
providing an up to date and state of the research on the 
applications of computational intelligence techniques for 
data mining the book is divided into 3 parts part i data 
click streams and temporal data mining part ii text and 
rule mining part iii applications part i on data click 
streams and temporal data mining contains four chapters 
that describe several approaches in data click streams and 
temporal data mining the advent of powerful processing 
technologies and the advances in software development tools 
have drastically changed the approach and implementation of 
computational research in fundamental properties of living 
systems through simulating and synthesizing biological 
entities and processes in artificial media nowadays 
realistic physical and physiological simulation of natural 
and would be creatures worlds and societies becomes a low 
cost task for ordinary home computers the progress in 
technology has dramatically reshaped the structure of the 
software the execution of a code and visualization 
fundamentals this has led to the emergence of novel breeds 
of artificial life software models including three 
dimensional programmable simulation environment distributed 
discrete events platforms and multi agent systems this 
second edition reflects the technological and research 
advancements and presents the best examples of artificial 
life software models developed in the world and available 
for users statistical approaches to processing natural 
language text have become dominant in recent years this 
foundational text is the first comprehensive introduction 
to statistical natural language processing nlp to appear 
the book contains all the theory and algorithms needed for 
building nlp tools it provides broad but rigorous coverage 
of mathematical and linguistic foundations as well as 
detailed discussion of statistical methods allowing 
students and researchers to construct their own 
implementations the book covers collocation finding word
sense disambiguation probabilistic parsing information retrieval and other applications over the last decade a great amount of effort and resources have been invested in the development of semantic service SWS frameworks numerous description languages frameworks tools and matchmaking and composition algorithms have been proposed nevertheless when faced with a real world problem it is still very hard to decide which of these different approaches to use in this book the editors present an overall overview and comparison of the main current evaluation initiatives for SWS the presentation is divided into four parts each referring to one of the evaluation initiatives part i covers the long established first two tracks of the semantic service selection s3 contest the owl s matchmaker evaluation and the sawsdl matchmaker evaluation part ii introduces the new s3 jena geography dataset jgd cross evaluation contest part iii presents the semantic service challenge lastly part iv reports on the semantic aspects of the service challenge the introduction to each part provides an overview of the evaluation initiative and overall results for its latest evaluation workshops the following chapters in each part written by the participants detail their approaches solutions and lessons learned this book is aimed at two different types of readers researchers on SWS technology receive an overview of existing approaches in SWS with a particular focus on evaluation approaches potential users of SWS technologies receive a comprehensive summary of the respective strengths and weaknesses of current systems and thus guidance on factors that play a role in evaluation more and more agile projects are seeking architectural roots as they struggle with complexity and scale and they are seeking lightweight ways to do it still seeking in this book the authors help you to find your own path taking cues from lean development they can help steer your project toward practices with longstanding track records up front architecture sure you can deliver an architecture as code that compiles and that concretely guides development without bogging it down in a mass of documents and guesses about the implementation documentation even a whiteboard diagram or a CRC card is documentation the goal isn t to
avoid documentation but to document just the right things in just the right amount process this all works within the frameworks of scrum xp and other agile approaches linguistic annotation and text analytics are active areas of research and development with academic conferences and industry events such as the linguistic annotation workshops and the annual text analytics summits this book provides a basic introduction to both fields and aims to show that good linguistic annotations are the essential foundation for good text analytics after briefly reviewing the basics of xml with practical exercises illustrating in line and stand off annotations a chapter is devoted to explaining the different levels of linguistic annotations the reader is encouraged to create example annotations using the wordfreak linguistic annotation tool the next chapter shows how annotations can be created automatically using statistical nlp tools and compares two sets of tools the opennlp and stanford nlp tools the second half of the book describes different annotation formats and gives practical examples of how to interchange annotations between different formats using xslt transformations the two main text analytics architectures gate and uima are then described and compared with practical exercises showing how to configure and customize them the final chapter is an introduction to text analytics describing the main applications and functions including named entity recognition coreference resolution and information extraction with practical examples using both open source and commercial tools copies of the example files scripts and stylesheets used in the book are available from the companion website located at the book website table of contents working with xml linguistic annotation using statistical nlp tools annotation interchange annotation architectures text analytics this book constitutes the refereed proceedings of the 7th international workshop on advanced parallel processing technologies appt 2007 held in guangzhou china in november 2007 the 78 revised full papers presented were carefully reviewed and selected from 346 submissions all current aspects in parallel and distributed computing are addressed ranging from hardware and software
issues to algorithmic aspects and advanced applications the papers are organized in topical sections build the foundation necessary for the practice of ct scanning with computed tomography physical principles patient care clinical applications and quality control 5th edition written to meet the varied requirements of radiography students and practitioners this two color text provides comprehensive coverage of the physical principles of computed tomography and its clinical applications the clear straightforward approach is designed to improve your understanding of sectional anatomic images as they relate to computed tomography and facilitate communication between ct technologists and other medical personnel chapter outlines and chapter review questions help you focus your study time and master content new three additional chapters reflect the latest industry ct standards in imaging radiation awareness and safety campaigns in computed tomography patient care considerations and artificial intelligence an overview of applications in health and medical imaging updated more than 509 photos and line drawings visually clarify key concepts updated the latest information keeps you up to date on advances in volume ct scanning ct fluoroscopy and multislice applications like 3 d imaging ct angiography and virtual reality imaging endoscopy this book constitutes the thoroughly refereed post conference proceedings of the 4th ifip tc2 central and east european conference on software engineering techniques cee set 2009 held in krakow poland in october 2009 the 19 revised full papers presented were carefully reviewed and selected from 63 submissions the papers are organized in topical sections on software architectures and development modelling and formal methods in software development measurements testing and quality of software

Design Patterns in Ruby 2007–12–10

praise for design patterns in ruby design patterns in ruby documents smart ways to resolve many problems that ruby developers commonly encounter russ olsen has done a great job of selecting classic patterns and augmenting these with
newer patterns that have special relevance for ruby he
clearly explains each idea making a wealth of experience
available to ruby developers for their own daily work steve
metsker managing consultant with dominion digital inc this
book provides a great demonstration of the key gang of four
design patterns without resorting to overly technical
explanations written in a precise yet almost informal style
this book covers enough ground that even those without
prior exposure to design patterns will soon feel confident
applying them using ruby olsen has done a great job to make
a book about a classically dry subject into such an
engaging and even occasionally humorous read peter cooper
this book renewed my interest in understanding patterns
after a decade of good intentions russ picked the most
useful patterns for ruby and introduced them in a
straightforward and logical manner going beyond the gof s
patterns this book has improved my use of ruby and
encouraged me to blow off the dust covering the gof book
mike stok design patterns in ruby is a great way for
programmers from statically typed objectoriented languages
to learn how design patterns appear in a more dynamic
flexible language like ruby rob sanheim ruby ninja
relevance most design pattern books are based on c and java
but ruby is different and the language s unique qualities
make design patterns easier to implement and use in this
book russ olsen demonstrates how to combine ruby s power
and elegance with patterns and write more sophisticated
effective software with far fewer lines of code after
reviewing the history concepts and goals of design patterns
olsen offers a quick tour of the ruby language enough to
allow any experienced software developer to immediately
utilize patterns with ruby the book especially calls
attention to ruby features that simplify the use of
patterns including dynamic typing code closures and mixins
for easier code reuse fourteen of the classic gang of four
patterns are considered from the ruby point of view
explaining what problems each pattern solves discussing
whether traditional implementations make sense in the ruby
environment and introducing ruby specific improvements you
ll discover opportunities to implement patterns in just one
or two lines of code instead of the endlessly repeated boilerplate that conventional languages often require. Design patterns in Ruby also identifies innovative new patterns that have emerged from the Ruby community these include ways to create custom objects with metaprogramming as well as the ambitious Rails based convention over configuration pattern designed to help integrate entire applications and frameworks. Engaging practical and accessible design patterns in Ruby will help you build better software while making your Ruby programming experience more rewarding.

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e-Business and Telecommunications  
**2011-03-16**

This book constitutes the refereed proceedings of the 6th International Joint Conference on e-Business and Telecommunications ICETE 2009 held in Milan, Italy in July 2009. The 34 revised full papers presented together with 4 invited papers in this volume were carefully reviewed and selected from 300 submissions. They have passed two rounds of selection and improvement. The papers are organized in topical sections on e-business security and cryptography, signal processing and multimedia applications, wireless information networks and systems.

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Insights into Advancements in Intelligent Information Technologies: Discoveries  
**2012-02-29**
this book offers the latest the field has to offer in research methodologies frameworks and advances in the field of intelligent information technologies provided by publisher

Ruby by Example 2007-06-01

there may be no better way to learn how to program than by dissecting real representative examples written in your language of choice ruby by example analyzes a series of ruby scripts examining how the code works explaining the concepts it illustrates and showing how to modify it to suit your needs baird s examples demonstrate key features of the language such as inheritance encapsulation higher order functions and recursion while simultaneously solving difficult problems such as validating xml creating a bilingual program and creating command line interfaces each chapter builds upon the previous and each key concept is highlighted in the margin to make it easier for you to navigate the book you ll learn how to use the interactive ruby shell irb to learn key features of the language extend ruby using rubygems the ruby package manager create numerical utilities as well as utilities that process and analyze html xml implement purely functional and metaprogramming techniques to save time and effort optimize profile and test your code to make sure that it not only does its job but does it well create web applications using rails ruby is the fastest growing programming language today and for good reason its elegant syntax and readable code make for prolific and happy programmers but it can be difficult to understand and implement without a little help ruby by example shows you how to take advantage of ruby as you explore ruby s fundamental concepts in action
How to Become an It Architect 2016-11

defining the various types of it architecture in the industry this one of a kind resource highlights the rewards of becoming an architect and explores the details of the deliverables project structure and how to approach their creation

Future Generation Information Technology 2011-12-03

this book comprises selected papers of the third international conference on future generation information technology fgit 2011 held in jeju island korea in december 2011 the papers presented were carefully reviewed and selected from numerous submissions and focuse on the various aspects of advances in information technology they were selected from the following 13 conferences asea 2011 bsbt 2011 ca 2011 ces3 2011 drbc 2011 dta 2011 el 2011 fgn 2011 gdc 2011 mulgrb 2011 sectech 2011 sip 2011 and unesst 2011

Computer Applications for Database, Education and Ubiquitous Computing 2012-11-27

this volume constitutes the refereed proceedings of the international conferences el dta and unesst 2012 held as part of the future generation information technology conference fgit 2012 kangwondo korea in december 2012 the papers presented were
emerging scientific and industrial applications in today's world require significant computing power. Modern software tools are available for such platforms but are relatively complex and require the use of innovative programming models. One promising area in modern software design is the development, analysis, and implementation of algorithms and adaptive methods. These advancements in programming are promising but lack relevant research and understanding. Formal and adaptive methods for automation of parallel programs construction are emerging, and this book is an essential reference source that solves the problem of developing efficient models, methods, and tools for parallel programming automation. Based on the algebra of algorithms, term rewriting, and auto-tuning paradigms, the results of this book will help to further develop and improve existing research on design synthesis and optimization of sequential and parallel algorithms and programs. Featuring research on topics such as auto-tuning methods, graphics processing, and algorithmic language, this book is ideally designed for mathematicians, software engineers, data scientists, researchers, academicians, and students seeking coverage on developing tools for automated design and parallel programs.
isdf 2009 the first international conference on information security and digital forensics was held at city university london during september 7 8 2009 the conference was organized as a meeting point for leading national and international experts of information security and digital forensics the conference was rewarding in many ways isdf 2009 was an exciting and vibrant event with 4 keynote talks 25 invited talks and 18 full paper presentations and those attending had the opportunity to meet and talk with many distinguished people who are responsible for shaping the area of information security this conference was organized as part of two major research projects funded by the uk engineering and physical sciences research council in the areas of security and digital forensics i would like to thank all the people who contributed to the technical program the most apparent of these are the indian delegates who all accepted our invite to give presentations at this conference less apparent perhaps is the terrific work of the members of the technical program committee especially in reviewing the papers which is a critical and time consuming task i would like to thank raj rajarajan city university london for making the idea of the isdf 2009 conference a reality with his hard work last but not least i would like to thank all the authors who submitted papers making the conference possible and the authors of accepted papers for their cooperation dasun weerasinghe

Understanding Enterprise SOA 2005-11-20

using a single continuing case study as the vehicle to carry its story this book shows how to realize business objectives in
implementing enterprise soas it has a feature that will be welcomed by readers weary of vendor speak

Patterns and Problems of Development 2013-03

this book constitutes the thoroughly refereed post conference proceedings of the 12th international conference on high performance computing in computational science veccpar 2016 held in porto portugal in june 2016 the 20 full papers presented were carefully reviewed and selected from 36 submissions the papers are organized in topical sections on applications performance modeling and analysis low level support environments libraries to support parallelization


second edition of windows forms programming with c

Windows Forms in Action 2006-05-07

the three volume set lnai 7196 lnai 7197 and lnai 7198 constitutes the refereed proceedings of the 4th asian conference on intelligent information and database systems aciids 2012 held in kaohsiung
Taiwan in March 2012 the 161 revised papers presented were carefully reviewed and selected from more than 472 submissions. The papers included cover the following topics: intelligent database systems, data warehouses and data mining, natural language processing and computational linguistics, semantic social networks and recommendation systems, collaborative systems and applications, e-business and e-commerce systems, e-learning systems, information modeling and requirements engineering, information retrieval systems, intelligent agents and multi-agent systems, intelligent information systems, intelligent internet systems, intelligent optimization techniques, object relational DBMS, ontologies and knowledge sharing, semi-structured and XML database systems, unified modeling language, and unified processes, services, and semantic computer networks and communication systems.

Intelligent Information and Database Systems 2012-03-02

The only book on WebWork, a cutting edge Java web framework written by its two primary developers, it shows how to build real-world web applications based on Hibernate including advanced techniques like internationalization, data validation, and component oriented design.

WebWork in Action 2005-10-08

All true craftsmen need the best tools to do their finest work and programmers are no different. Java Power Tools delivers 30 open...
source tools designed to improve the development practices of
java developers in any size team or organization each chapter
includes a series of short articles about one particular tool whether
it’s for build systems version control or other aspects of the
development process giving you the equivalent of 30 short
reference books in one package no matter which development
method your team chooses whether it’s agile rup xp scrum or one
of many others available java power tools provides practical
techniques and tools to help you optimize the process the book
discusses key java development problem areas and best practices
and focuses on open source tools that can help increase
productivity in each area of the development cycle including build
tools including ant and maven 2 version control tools such as cvs
and subversion the two most prominent open source tools quality
metrics tools that measure different aspects of code quality
including checkstyle pmd findbugs and jupiter technical
documentation tools that can help you generate good technical
documentation without spending too much effort writing and
maintaining it unit testing tools including junit 4 testng and the open
source coverage tool cobertura integration load and performance
testing to integrate performance tests into unit tests load test your
application and automatically test web services swing interfaces
and web interfaces issue management tools including bugzilla and
trac continuous integration tools such as continuum cruise control
luntbuild and hudson if you are a java developer these tools can
help improve your development practices and make your life easier
in the process lead developers software architects and people
interested in the wider picture will be able to gather from these
pages some useful ideas about improving your project
infrastructure and best practices
Java Power Tools 2008-04-22

provides a single record of technologies and practices of the semantic approach to the management organization interpretation retrieval and use of based data

The Semantic Web for Knowledge and Data Management 2008-08-31

the books lncs 6088 and 6089 constitute the refereed proceedings of the 7th european semantic conference eswc 2010 held in heraklion crete greece in may june 2010 the 52 revised full papers of the research track presented together with 10 phd symposium papers and 17 demo papers were carefully reviewed and selected from more than 245 submissions the papers are organized in topical sections on mobility track ontologies and reasoning track semantic web in use track sensor networks track part i and services and software track social web track web of data track demo and poster track phd symposium part ii

The Semantic Web: Research and Applications 2010-05-20

intellj idea in action will help developers dig a little deeper into idea and embrace its streamlining features which allow for more time to be spent on project design rather than code management without some educational investment however idea can be just another editor that then is the purpose of this book to not only get you up
and running quickly but to teach you how to use idea’s powerful software development tools to their fullest advantage important product features including the debugger source code control and the many code generation tools are carefully explained and accompanied by tips and tricks that will leave even experienced idea users with eureka moments of informed programming coders just graduating from notepad and java ide veterans alike will profit from the powerful and timesaving expertise provided in this essential programmer’s resource idea is a next generation ide for java an integrated development environment as the term ide implies idea integrates or combines all of the tools needed to develop java software into a single application and interface in other words idea is a tool that helps develop java applications more quickly easily and intelligently idea can help with every phase of a project from design and development to testing and deployment this book is based on the intellij idea java development environment software from jetbrains version 5.0 purchase of the print book comes with an offer of a free pdf ebook from manning also available is all code from the book

IntelliJ IDEA in Action 2006-03-26

this two volume set consisting of lncs 7181 and lncs 7182 constitutes the thoroughly refereed proceedings of the 13th international conference on computer linguistics and intelligent processing held in new delhi india in march 2012 the total of 92 full papers were carefully reviewed and selected for inclusion in the proceedings the contents have been ordered according to the following topical sections nlp system architecture lexical resources morphology and syntax word sense disambiguation and named entity recognition semantics and discourse sentiment analysis
opinion mining and emotions natural language generation machine translation and multilingualism text categorization and clustering information extraction and text mining information retrieval and question answering document summarization and applications

Computational Linguistics and Intelligent Text Processing 2012-02-24

Hibernate quickly is a companion volume to Manning's Hibernate in Action which is a focused and comprehensive book on the subject written by the project founders. The current book aims to give readers the 20% of information they need 80% of the time. It uses the pages saved to orient the reader within the Hibernate ecosystem, the peripheral technologies and techniques typically used with Hibernate. This is the book readers are likely to turn to if they want to get up and running quickly. Examples are developed incrementally to demonstrate Hibernate concepts and to show how Hibernate works with the other common development tools and frameworks such as XDoclet, Struts, Webwork, Spring, and Tapestry. Covers the newest version Hibernate 3. Purchase of the print book comes with an offer of a free PDF ebook from Manning. Also available is all code from the book.

Hibernate Quickly 2005

This volume, the 8th in the Transactions on Aspect Oriented Software Development series, contains two regular submissions and a special section consisting of five papers on the industrial applications of aspect technology. The regular papers describe a
framework for constructing aspect weavers and patterns for reusable aspects the special section begins with an invited contribution on how aspectj is making its way from an exciting new hype topic to a valuable technology in enterprise computing the remaining four papers each cover different industrial applications of aspect technology which include a telecommunication platform a framework for embedding user assistance in independently developed applications a platform for digital publishing and a framework for program code analysis and manipulation

**Transactions on Aspect-Oriented Software Development VIII 2011-06-22**

the semantic extends the popular day to day enabling computers and people to effectively work together by giving information well defined meaning knitting the semantic explains the interdisciplinary efforts underway to build a more library like through semantic knitting the book examines foundation activities and initiatives leading to standardized semantic metadata these efforts lead to the semantic a network able to support computational activities and provide people with services efficiently leaders in library and information science computer science and information intensive domains provide insight and inspiration to give readers a greater understanding of the evolution of the semantic librarians and information professionals are uniquely qualified to play a major role in the development and maintenance of the semantic knitting the semantic closely examines this crucial relationship in detail this single source reviews the foundations standards and tools underlying the semantic and presents thoughtful perspectives in the context of 2 0 developments many chapters include figures to illustrate concepts and ideas and the entire text is extensively
referenced topics in knitting the semantic include rdf its expressive power and its ability to underlie the new library catalog card for the coming century the value and application for controlled vocabularies skos simple knowledge organization system the newest semantic language managing scheme versioning in the semantic physnet portal service for physics semantic technologies in biomedicine developing the united nations food and agriculture ontology friend of a friend foaf vocabulary specification with a real world case study at a university library 2.0 and more knitting the semantic is a stimulating resource for professionals researchers educators and students in library and information science computer science information architecture design and services

Web-oriented Event Processing 2015-01-13

the book titled prediction of stock market index movements with machine learning focuses on the performance of machine learning methods in forecasting the future movements of stock market indexes and identifying the most advantageous methods that can be used across different stock exchanges in this context applications have been conducted on both developed and emerging market stock exchanges the stock market indexes of developed countries such as nyse 100 nikkei 225 ftse 100 cac 40 dax 30 ftse mib tsx and the stock market indexes of emerging countries such as sse bovespa rts nifty 50 idx ipc and bist 100 were selected the movement directions of these stock market indexes were predicted using decision trees random forests k nearest neighbors naive bayes logistic regression support vector machines and artificial neural networks methods daily dataset from 01 01 2012 to 31 12 2021 along with technical indicators were used as input data for analysis according to the results obtained it
was determined that artificial neural networks were the most effective method during the examined period alongside artificial neural networks logistic regression and support vector machines methods were found to predict the movement direction of all indexes with an accuracy of over 70 additionally it was noted that while artificial neural networks were identified as the best method they did not necessarily achieve the highest accuracy for all indexes in this context it was established that the performance of the examined methods varied among countries and indexes but did not differ based on the development levels of the countries as a conclusion artificial neural networks logistic regression and support vector machines methods are recommended as the most advantageous approaches for predicting stock market index movements

Knitting the Semantic Web 2013-04-03

presents an illustrated a z encyclopedia containing approximately 600 entries on computer and technology related topics

Prediction of Stock Market Index Movements with Machine Learning 2023-12-16

this book constitutes the thoroughly refereed post workshop proceedings of 6 international workshops held in brisbane australia in conjunction with the 5th international conference on business process management bpm 2007 in september 2007 the 45 revised full papers presented were carefully reviewed and selected from more than 80 submissions to the following 6 international

Encyclopedia of Computer Science and Technology 2009

over 1 600 total pages 14097 fire controlman supervisor covers fire controlman supervisor responsibilities organization administration inspections and maintenance supervision and training combat systems subsystems and their maintenance and weapons exercises 14098 fire controlman volume 01 administration and safety covers general administration technical administration electronics safety and hazardous materials as they pertain to the fc rating 14099a fire controlman volume 02 fire control systems and radar fundamentals covers basic radar systems fire control systems and radar safety as they relate to the fire controlman rating 14100 fire controlman volume 03 digital data systems covers computer and peripheral fundamentals and operations configurations and hardware operator controls and controlling units components and circuits central processing units and buses memories input output and interfacing instructions and man machine interfaces magnetic tape storage magnetic disk storage cd rom storage printers data conversion devices and switchboards 14101 fire controlman volume 04 fire control maintenance concepts introduces the planned maintenance system and discusses methods for identifying and isolating system faults liquid cooling systems used by fire controlmen battery alignment purpose equipment and alignment considerations and radar collimation
Business Process Management Workshops

as many medical and healthcare researchers have a love hate relationship with statistics the second edition of this practical reference book may make all the difference using practical examples mainly from the authors own research the book explains how to make sense of statistics turn statistical computer output into coherent information and help decide which pieces of information to report and how to present them the book takes you through all the stages of the research process from the initial research proposal through ethical approval and data analysis to reporting on and publishing the findings helpful tips and information boxes offer clear guidance throughout including easily followed instructions on how to develop a quantitative research proposal for ethical institutional approval or research funding write up the statistical aspects of a paper for publication choose and perform simple and more advanced statistical analyses describe the statistical methods and present the results of an analysis this new edition covers a
wider range of statistical programs such as SAS, Stata, R, and SPSS and shows the commands needed to obtain the analyses and how to present it whichever program you are using. Each specific example is annotated to indicate other scenarios that can be analysed using the same methods allowing you to easily transpose the knowledge gained from the book to your own research. The principles of good presentation are also covered in detail from translating relevant results into suitable extracts through to randomised controlled trials and how to present a meta-analysis. An added ingredient is the inclusion of code and datasets for all analyses shown in the book on our website. Medical Statistics Info, written by three experienced biostatisticians based in the UK and US, is a step-by-step guide that will be invaluable to researchers and postgraduate students in medicine those working in the professions allied to medicine and statisticians in consultancy roles.

Manuals Combined: U.S. Navy FIRE CONTROLMAN Volumes 01 - 06 & FIREMAN 2017-07-21

In the summer of 1956, John McCarthy organized the famous Dartmouth conference which is now commonly viewed as the founding event for the field of artificial intelligence. During the last 50 years, AI has seen a tremendous development and is now a well-established scientific discipline all over the world. Also in Europe, AI is in excellent shape as witnessed by the large number of high-quality papers in this publication. In comparison with ECAI 2004, there is a strong increase in the relative number of submissions from distributed AI agents and cognitive modelling. Knowledge representation and reasoning is traditionally strong in Europe and remains the biggest area of ECAI 06. One reason the figures for case
based reasoning are rather low is that much of the high quality work in this area has found its way into prestigious applications and is thus represented under the heading of Pais

**Presenting Medical Statistics from Proposal to Publication 2006-08-10**

This book constitutes the refereed proceedings of the Second European Conference on Technology Enhanced Learning, EC-TEL 2007, held in Crete, Greece, in September 2007. The papers presented were carefully reviewed and selected from 116 submissions. The conference provides a unique forum for all research related to technology enhanced learning as well as its interactions with knowledge management, business processes, and work environments.

**ECAI 2006 2007-08-31**

Foundations of computational intelligence, volume 6: Data mining, theoretical foundations, and applications. Finding information hidden in data is as theoretically difficult as it is practically important, with the objective of discovering unknown patterns from data. The methodologies of data mining were derived from statistics, machine learning, and artificial intelligence, and are being used successfully in application areas such as bioinformatics, business, health care, banking, retail, and many others. Advanced representation schemes and computational intelligence techniques, such as rough sets, neural networks, decision trees, fuzzy logic, evolutionary algorithms, artificial immune systems, swarm intelligence, and reinforcement learning.
association rule mining intelligence paradigms etc have proved valuable when they are plied to data mining problems computational tools or solutions based on intelligent systems are being used with great success in data mining applications it is also observed that strong scientific advances have been made when issues from different research areas are integrated this volume comprises of 15 chapters including an overview chapter providing an up to date and state of the research on the applications of computational intelligence techniques for data mining the book is divided into 3 parts part i data click streams and temporal data mining part ii text and rule mining part iii applications part i on data click streams and temporal data mining contains four chapters that describe several approaches in data click streams and temporal data mining

Creating New Learning Experiences on a Global Scale 2009-05-01

the advent of powerful processing technologies and the advances in software development tools have drastically changed the approach and implementation of computational research in fundamental properties of living systems through simulating and synthesizing biological entities and processes in artificial media nowadays realistic physical and physiological simulation of natural and would be creatures worlds and societies becomes a low cost task for ordinary home computers the progress in technology has dramatically reshaped the structure of the software the execution of a code and visualization fundamentals this has led to the emergence of novel breeds of artificial life software models including three dimensional programmable simulation environment distributed discrete events platforms and multi agent systems this
second edition reflects the technological and research advancements and presents the best examples of artificial life software models developed in the world and available for users.

Foundations of Computational Intelligence 2009-06-13

statistical approaches to processing natural language text have become dominant in recent years this foundational text is the first comprehensive introduction to statistical natural language processing nlp to appear the book contains all the theory and algorithms needed for building nlp tools it provides broad but rigorous coverage of mathematical and linguistic foundations as well as detailed discussion of statistical methods allowing students and researchers to construct their own implementations the book covers collocation finding word sense disambiguation probabilistic parsing information retrieval and other applications.

Artificial Life Models in Software 1999-05-28

over the last decade a great amount of effort and resources have been invested in the development of semantic service sws frameworks numerous description languages frameworks tools and matchmaking and composition algorithms have been proposed nevertheless when faced with a real world problem it is still very hard to decide which of these different approaches to use in this book the editors present an overall overview and comparison of the main current evaluation initiatives for sws the presentation is divided into four parts each referring to one of the evaluation
initiatives part i covers the long established first two tracks of the semantic service selection s3 contest the owl s matchmaker evaluation and the sawsdl matchmaker evaluation contest part ii introduces the new s3 jena geography dataset jgd cross evaluation contest part iii presents the semantic service challenge lastly part iv reports on the semantic aspects of the service challenge the introduction to each part provides an overview of the evaluation initiative and overall results for its latest evaluation workshops the following chapters in each part written by the participants detail their approaches solutions and lessons learned this book is aimed at two different types of readers researchers on sws technology receive an overview of existing approaches in sws with a particular focus on evaluation approaches potential users of sws technologies receive a comprehensive summary of the respective strengths and weaknesses of current systems and thus guidance on factors that play a role in evaluation

*Foundations of Statistical Natural Language Processing 2012-06-28*

more and more agile projects are seeking architectural roots as they struggle with complexity and scale and they’re seeking lightweight ways to do it still seeking in this book the authors help you to find your own path taking cues from lean development they can help steer your project toward practices with longstanding track records up front architecture sure you can deliver an architecture as code that compiles and that concretely guides development without bogging it down in a mass of documents and guesses about the implementation documentation even a whiteboard diagram or a crc card is documentation the goal isn’t to avoid documentation but to document just the right things in just
the right amount process this all works within the frameworks of scrum xp and other agile approaches

Semantic Web Services 2010-07-26

linguistic annotation and text analytics are active areas of research and development with academic conferences and industry events such as the linguistic annotation workshops and the annual text analytics summits this book provides a basic introduction to both fields and aims to show that good linguistic annotations are the essential foundation for good text analytics after briefly reviewing the basics of xml with practical exercises illustrating in line and stand off annotations a chapter is devoted to explaining the different levels of linguistic annotations the reader is encouraged to create example annotations using the wordfreak linguistic annotation tool the next chapter shows how annotations can be created automatically using statistical nlp tools and compares two sets of tools the opennlp and stanford nlp tools the second half of the book describes different annotation formats and gives practical examples of how to interchange annotations between different formats using xslt transformations the two main text analytics architectures gate and uima are then described and compared with practical exercises showing how to configure and customize them the final chapter is an introduction to text analytics describing the main applications and functions including named entity recognition coreference resolution and information extraction with practical examples using both open source and commercial tools copies of the example files scripts and stylesheets used in the book are available from the companion website located at the book website table of contents working with xml linguistic annotation using statistical nlp tools annotation interchange annotation architectures
Lean Architecture 2009-05-08

this book constitutes the refereed proceedings of the 7th international workshop on advanced parallel processing technologies appt 2007 held in guangzhou china in november 2007 the 78 revised full papers presented were carefully reviewed and selected from 346 submissions all current aspects in parallel and distributed computing are addressed ranging from hardware and software issues to algorithmic aspects and advanced applications the papers are organized in topical sections

Introduction to Linguistic Annotation and Text Analytics 2007-11-07

build the foundation necessary for the practice of ct scanning with computed tomography physical principles patient care clinical applications and quality control 5th edition written to meet the varied requirements of radiography students and practitioners this two color text provides comprehensive coverage of the physical principles of computed tomography and its clinical applications the clear straightforward approach is designed to improve your understanding of sectional anatomic images as they relate to computed tomography and facilitate communication between ct technologists and other medical personnel chapter outlines and chapter review questions help you focus your study time and master content new three additional chapters reflect the latest industry ct standards in imaging radiation awareness and safety
campaigns in computed tomography patient care considerations and artificial intelligence an overview of applications in health and medical imaging updated more than 509 photos and line drawings visually clarify key concepts updated the latest information keeps you up to date on advances in volume ct scanning ct fluoroscopy and multislice applications like 3 d imaging ct angiography and virtual reality imaging endoscopy

**Advanced Parallel Processing Technologies**

*2022-06-16*

This book constitutes the thoroughly refereed post conference proceedings of the 4th IFIP TC2 Central and East European Conference on Software Engineering Techniques CEE SET 2009 held in Krakow, Poland in October 2009. The 19 revised full papers presented were carefully reviewed and selected from 63 submissions. The papers are organized in topical sections on software architectures and development modelling and formal methods in software development measurements testing and quality of software.

**Computed Tomography - E-Book 2012-04-24**

**Advances in Software Engineering Techniques**
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