

Object Oriented Design Heuristics

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Heuristics for Object-oriented Design
Knowledge-based Software Engineering
Object-oriented Design in Java
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Modular Programming Languages
ACM SIGPLAN Notices
Guide to the Software Engineering Body of Knowledge
Computing Fundamentals with Java
Arthur J. Riel Garz s, Javier Cleveland Augustine Gibbon [c]nn Kharal [c]dovich Tyugu Stephen Gilbert Dines Bjørner Miriam Drake Dietmar Offenhuber Robert Lafore William J. Brown Christopher John Fox Alain Abran Rick Mercer

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this tutorial based approach born out of the author s extensive experience developing software teaching thousands of students and critiquing designs in a variety of domains allows you to apply the guidelines in a personalized manner

the software engineering community has advanced greatly in recent years and we currently have numerous defined items of knowledge such as standards methodologies methods metrics techniques languages patterns knowledge related to processes concepts etc the main objective of this book is to give a unified and global vision about micro architectural design knowledge analyzing the main techniques experiences and methods provided by publisher

this publication addresses the research in theoretical foundations practical techniques software tools applications and or practical experiences in knowledge based software engineering the book also includes a new field research in web services and semantic web this is a rapidly developing research area promising to give excellent practical outcome and interesting for theoretically minded as well as for practically minded people the largest part of the papers belongs to a traditional area of applications of artificial intelligence methods to various software engineering problems another traditional section is application of intelligent agents in software engineering a separate section is devoted to interesting applications and special techniques related in one or another way to the topic of the conference publisher s website

targeting the needs of java application programmers this book uses an experience based hands on approach the cd rom contains the code warrior lite multi platform integrated development environment ide and borland s jbuilder trial version

the three keynote addresses cover the new for new software technology principles of software evolution and auditing informal software testing and analysis processes others of the 41 papers consider a design metric for module coupling a class testing technique based on data binding safety analysis using colored petri nets a dynamic extension for specifying distributed systems

designing and implementing dynamically reconstructing system software a dialog oriented user interface generation mechanism real time system design tools based on a real time object model and other topics no subject index annotation copyrighted by book news inc portland or

this book constitutes the refereed post conference proceedings of the second international andrei ershov memorial conference on system informatics held in akademgorodok novosibirsk russia in june 1996 the 27 revised full papers presented together with 9 invited contributions were thoroughly refereed for inclusion in this volume the book is divided in topical sections on programming methodology artificial intelligence natural language processing machine learning dataflow and concurrency models parallel programming supercompilation partial evaluation object oriented programming semantics and abstract interpretation programming and graphical interfaces and logic programming

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the relationship between infrastructure governance and the ways we read and represent waste systems examined through three waste tracking and participatory sensing projects waste is material information landfills are detailed records of everyday consumption and behavior much of what we know about the distant past we know from discarded objects unearthed by archaeologists and interpreted by historians and yet the systems and infrastructures that process our waste often remain opaque in this book dietmar offenhuber examines waste from the perspective of information considering emerging practices and technologies for making waste systems legible and how the resulting datasets and visualizations shape infrastructure governance he does so by looking at three waste tracking and participatory sensing projects in seattle são paulo and boston offenhuber expands the notion of urban legibility the idea that the city can be read like a text to introduce the concept of infrastructure legibility he argues that infrastructure governance is enacted through representations of the infrastructural system and that these representations stem from the different stakeholders interests which drive their efforts to make the system legible the trash track project in seattle used sensor technology to map discarded items through the waste and recycling systems the forager project looked at the informal organization processes of waste pickers working for brazilian recycling cooperatives and mobile systems designed by the city of boston allowed residents to report such infrastructure failures as potholes and garbage spills through these case studies offenhuber outlines an emerging paradigm of infrastructure governance based on a complex negotiation among users technology and the city

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computing fundamentals with java is the current effort in the author s 11 year journey of integrating object oriented programming into the first computer science course while retaining the commonly accepted fundamentals of computing in addition to traditional topics and the newer objects and classes this text provides three bonus chapters on object oriented software development in the context of a case study this book is written to clearly present fundamental concepts to beginning programmers

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