
Object Oriented Software Engineering Ali Bahrami

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Use Case-driven Development of an Object-oriented Expert System Shell
McGraw-Hill Science, Engineering & Mathematics
This edited book presents scientific results of the 14th International Conference on Software Engineering, Artificial Intelligence Research, Management and Applications (SERA 2016) held on June 8-10, 2016 at Towson University, USA. The aim of this conference was to

bring together researchers and scientists, businessmen and entrepreneurs, teachers, engineers, computer users, and students to discuss the numerous fields of computer science and to share their experiences and exchange new ideas and information in a meaningful way. Research results about all aspects (theory, applications and tools) of computer and information science, and to discuss the practical challenges encountered along the way and the solutions adopted to solve them. The conference organizers selected the best papers from those papers accepted for presentation at

the conference. The papers were chosen based on review scores submitted by members of the program committee, and underwent further rigorous rounds of review. This publication captures 13 of the conference's most promising papers, and we impatiently await the important contributions that we know these authors will bring to the field of computer and information science. **Software Architecture McGraw-Hill College**
This book constitutes the proceedings of the 11th European Conference on Modelling Foundations and Applications, ECMFA 2015, held as part of STAF 2015, in

L'Aquila, Italy, in July 2015. The 13 papers presented in this volume were carefully reviewed and selected from 54 submissions. The committee decided to accept 13 papers, 9 papers for the Foundations Track and 4 papers for the Applications Track. Papers on a wide range of MBE aspects were accepted, including topics such as aspect-oriented modeling, model management, model transformation, advanced meta-modeling, UML modeling tools, and domain-specific modeling w.r.t. energy consumption and cloud-based systems. National Conference on Frontiers in Applied and Computational Mathematics (FACM-2005) Springer Nature

This two-volume set LNCS 4275/4276 constitutes the refereed proceedings of the four confederated conferences CoopIS 2006, DOA 2006, GADA 2006, and ODBASE 2006 held as OTM 2006 in Montpellier, France in October/November 2006. The 106 revised full and 9 short papers presented

together with 4 keynote speeches were carefully reviewed and selected from a total of 361 submissions. Corresponding with the four OTM 2006 main conferences CoopIS, ODBASE, GADA, and DOA, the papers are organized in topical sections on distributed information systems, workflow modelling, workflow management and discovery, dynamic and adaptable workflows, services metrics and pricing, formal approaches to services, trust and security in cooperative IS, P2P systems, collaborative systems design and development, collaborative systems development, cooperative IS applications, foundations, metadata, design, ontology mappings, information integration, agents, contexts, similarity and matching, resource selection and management, P2P-based systems, grid file transfer, parallel applications, scheduling in grid environments, autonomous and autonomic computing, grid infrastructures for data analysis, access control and security, programming aspects for developing scientific grid components, databases and data grids, distributed applications, evaluation, services, communications, searching techniques, types

and notations, adaptivity, middleware, distribution support, and self-organisation.

Software Engineering Techniques: Design for Quality
CRC Press

This book constitutes the refereed proceedings of the 5th European Conference on Software Architecture, ECSA 2011, held in Essen, Germany, in September 2011. The 13 revised full papers presented together with 24 emerging research papers, and 7 research challenge poster papers were carefully reviewed and selected from over 100 submissions. The papers are organized in topical sections on requirements and software architectures; software architecture, components, and compositions; quality attributes and software architectures; software product line architectures; architectural models, patterns and styles; short papers; process and management of architectural decisions; software architecture run-time aspects; ADLs and metamodels; and services and software architectures.

ECOOP 2005 - Object-Oriented Programming
Springer Science & Business Media

This book constitutes the joint refereed proceedings of two colocated events: the First International Conference on the Quality of Software Architectures (QoSA 2005) and the Second International Workshop on Software

Quality (SOQUA 2005) held in Erfurt, Germany, in September 2005. The 18 revised full papers presented were carefully reviewed and selected from 48 submissions. For QoSA 2005 only 12 papers - of the 31 submitted - were accepted for presentation; they are concerned with research and experiences that investigate the influence a specific software architecture has on software quality aspects. The papers are organized in topical sections on software architecture evaluation, formal approaches to model-driven QoS-handling, modelling QoS in software architectures, software architectures applied, architectural design for QoS, and model-driven software reliability estimation. The 6 papers accepted for SOQUA 2005 - from 17 submissions - mainly focus on quality assurance and on software testing. They are organized in topical sections on test case selection, model-based testing, unit testing, and performance testing. Iterative Software Engineering for Multiagent Systems McGraw-Hill Science/Engineering/Math Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering includes

a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Software Engineering, Computer Engineering, and Systems Engineering and Sciences. Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering includes selected papers from the conference proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2007) which was part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2007). Software Process and Product Measurement Springer Science & Business Media It was our great pleasure to extend a welcome to all who participated in SERA 2003, the first world-class International Conference on Software Engineering Research and Applications, which was held at Crowne Plaza Union Square Hotel, San Francisco, California, USA. The conference was sponsored by the International Association for Computer and Information Science (ACIS), in cooperation with the Software Engineering and Information Technology Institute at Central Michigan University. This conference was aimed at discussing the wide range of problems encountered in present and future high technologies. In

this conference, we had keynote speeches by Dr. Barry Boehm and Dr. C.V. Ramamoorthy and invited talks by Dr. Raymond Yeh, Dr. Raymond Paul, Dr. Mehmet Sahinoglu, which were fruitful to all who participated in SERA 2003. We would like to thank the publicity chairs and the members of our program committee for their work on this conference. We hope that SERA 2003 was enjoyable for all participants.

Modelling Foundations and Applications Springer

This book covers the essential knowledge and skills needed by a student who is specializing in software engineering. Readers will learn principles of object orientation, software development, software modeling, software design, requirements analysis, and testing. The use of the Unified Modelling Language to develop software is taught in depth. Many concepts are illustrated using complete examples, with code written in Java.

Object Oriented Systems

Development World Scientific Each and every chapter covers the contents up to a reasonable depth necessary for the intended readers in the field.

The book consists in all about 1200 exercises based on the topics and sub-topics covered. Keeping in view the emerging trends in newly emerging scenario with new dimension of software engineering, the book specially includes the following chapters, but not limited to

these only. This book explains all the notions related to software engineering in a very systematic way, which is of utmost importance to the novice readers in the field of software Engineering.

Programming Methodology Springer

This volume provides an overview of current work in software engineering techniques that can enhance the quality of software. The chapters of this volume, organized by key topic area, create an agenda for the IFIP Working Conference on Software Engineering Techniques, SET 2006. The seven sections of the volume address the following areas: software architectures, modeling, project management, software quality, analysis and verification methods, data management, and software maintenance.

Object-Oriented Software Engineering Using UML, Patterns, and Java IGI Global

[Administration (référence électronique)].

Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering IGI Global
In today's modernized environment, a growing number of software companies are changing their traditional engineering approaches in

response to the rapid development of computing technologies. As these businesses adopt modern software engineering practices, they face various challenges including the integration of current methodologies and contemporary design models and the refactoring of existing systems using advanced approaches.

Applications and Approaches to Object-Oriented Software Design: Emerging Research and Opportunities is a pivotal reference source that provides vital research on the development of modern software practices that impact maintenance, design, and developer productivity. While highlighting topics such as augmented reality, distributed computing, and big data processing, this publication explores the current infrastructure of software systems as well as future advancements. This book is ideally designed for software engineers, IT specialists, data scientists, business professionals, developers, researchers, students, and academicians seeking current research on contemporary software engineering methods.

Object-Oriented Software Springer Science & Business Media

For courses in Software Engineering, Software Development, or Object-Oriented Design and Analysis at the Junior / Senior or Graduate level. This text can also be utilized in short technical courses or in short, intensive management courses. Shows students how to use both the principles of software engineering and the practices of various object-oriented tools, processes, and products. Using a

step-by-step case study to illustrate the concepts and topics in each chapter, Bruegge and Dutoit emphasize learning object-oriented software engineer through practical experience: students can apply the techniques learned in class by implementing a real-world software project. The third edition addresses new trends, in particular agile project management (Chapter 14 Project Management) and agile methodologies (Chapter 16 Methodologies).

Object-Oriented and Classical Software Engineering Pearson Higher Ed

This book presents selected proceedings of the annual convention of the Computer Society of India. Divided into 10 topical volumes, the proceedings present papers on state-of-the-art research, surveys, and succinct reviews. They cover diverse topics ranging from communications networks to big data analytics, and from system architecture to cyber security. This book focuses on Software Engineering, and informs readers about the state of the art in software engineering by gathering high-quality papers that represent the outcomes of consolidated research and innovations in Software Engineering and related areas. In addition to helping practitioners and

researchers understand the chief issues involved in designing, developing, evolving and validating complex software systems, it provides comprehensive information on developing professional careers in Software Engineering. It also provides insights into various research issues such as software reliability, verification and validation, security and extensibility, as well as the latest concepts like component-based development, software process models, process-driven systems and human-computer collaborative systems.

Encyclopedia of E-Commerce, E-Government, and Mobile Commerce Springer Science & Business Media

This book constitutes the refereed proceedings of the 9th International Conference on Product Focused Software Process Improvement, PROFES 2008, held in Monte Porzio Catone, Italy, in June 2008. The 31 revised full papers presented together with 4 reports on workshops and tutorials and 3 keynote addresses were carefully reviewed and selected from 61 submissions. The papers address different development modes, roles in the value chain, stakeholders' viewpoints, collaborative development, as well as economic and quality aspects. The papers are organized in topical sections on quality and measurement, cost estimation,

capability and maturity models, systems and software quality, software process improvement, lessons learned and best practices, and agile software development.

Search-Based Software Engineering Springer Science & Business Media

The agent metaphor and the agent-based approach to systems design constitute a promising new paradigm for building complex distributed systems. However, until now, the majority of the agent-based applications available have been built by researchers who specialize in agent-based computing and distributed artificial intelligence. If agent-based computing is to become anything more than a niche technology practiced by the few, then the base of people who can successfully apply the approach needs to be broadened dramatically. A major step in this broadening endeavor is the development of methodologies for agent-oriented software engineering accessible to and attractive for professional software engineers in their daily work. Against this background, this book presents one of the first coherent attempts to develop such a methodology for a broad class of agent-based systems. The author provides

a clear introduction to the key issues in the field of agent-oriented software engineering.

Object-oriented Software Engineering McGraw-Hill / Irwin Covers O-O concepts, tools, development life cycle, problem solving, modeling, analysis, and design, while utilizing UML (Unified Modeling Language) for O-O modeling. UML has become the standard notation for modeling O-O systems and is being embraced by major software developers like Microsoft and Oracle.

Applications and Approaches to Object-Oriented Software Design: Emerging Research and Opportunities Springer

This is a textbook for a course in object-oriented software engineering at advanced undergraduate and graduate levels, as well as for software engineers. It contains more than 120 exercises of diverse complexity. The book discusses fundamental concepts and terminology on object-oriented software development, assuming little background on software engineering, and emphasizes design and maintenance rather than programming. It also presents up-to-date and easily understood methodologies and puts forward a software life cycle model which explicitly encourages reusability during software development and maintenance.

Software Engineering Springer This book constitutes the refereed proceedings of the 8th International Conference on Model Driven Engineering

Languages and Systems (formerly the UML series of conferences), MoDELS 2005, held in Montego Bay, Jamaica, in October 2005. The 52 revised full papers and 2 keynote abstracts presented were carefully reviewed and selected from an initial submission of 215 abstracts and 166 papers. The papers are organized in topical sections on process modelling, product families and reuse, state/behavioral modeling, aspects, design strategies, model transformations, model refactoring, quality control, MDA automation, UML 2.0, industrial experience, crosscutting concerns, modeling strategies, as well as a recapitulatory section on workshops, tutorials and panels.

Quality of Software Architectures and Software Quality Springer

This book constitutes the refereed proceedings of the 14th International Conference on Model Driven Engineering Languages and Systems, MODELS 2011, held in Wellington, New Zealand, in October 2011. The papers address a wide range of topics in research (foundations track) and practice (applications track). For the first time a new category of research papers, vision papers, are included presenting "outside the box" thinking. The foundations track received 167 full paper submissions, of which 34 were selected for

presentation. Out of these, 3 papers were vision papers. The application track received 27 submissions, of which 13 papers were selected for presentation. The papers are organized in topical sections on model transformation, model complexity, aspect oriented modeling, analysis and comprehension of models, domain specific modeling, models for embedded systems, model synchronization, model based resource management, analysis of class diagrams, verification and validation, refactoring models, modeling visions, logics and modeling, development methods, and model integration and collaboration.