Object Oriented Software Engineering Kung

Software EngineeringSoftware EngineeringInternational Symposium on Software Engineering for Parallel and Distributed SystemsApplication-specific Systems and Software Engineering & TechnologySoftware RequirementsVLSI EngineeringClassical and Object-oriented Software EngineeringMathematical Frameworks for Component SoftwareAutomated Software EngineeringHandbook of Software EngineeringJournal of Information Science and Engineering1998 Asia Pacific Software Engineering ConferenceTenth International Symposium on Software Reliability EngineeringProceedingsSoftware Engineering, The Development ProcessSoftware and Hardware Applications of Microcomputers7th Asia-Pacific Software Engineering ConferenceMultimedia Software EngineeringProceedings, International Symposium on Multimedia Software EngineeringObject-Oriented and Classical Software Engineering David C. Kung Chen-Ho Kung Peter Croll IEEE Computer Society Alan M. Davis Toshiyasu Kunii Stephen R. Schach Zhiming Liu Charles Ralph Vick IEEE Computer Society Richard H. Thayer M. H. Hamza Stephen Schach

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the new edition of software engineering presents a step by step methodology that integrates modeling and design uml patterns test driven development quality assurance configuration management and agile principles throughout the life cycle the overall approach is casual and easy to follow with many practical examples that show the theory at work the author uses his experiences as well as real world stories

to help the reader understand software design principles patterns and other software engineering concepts the book also provides stimulating exercises that go far beyond the type of question that can be answered by simply copying portions of the text

computers are widely used in all sectors of our society performing a variety of functions with the application software running on them as a result the market for software engineers is booming the march 2006 issue of money magazine ranked software engineer as number 1 of the 50 best jobs in the united states according to the bureau of labor statistics bls 2010 2020 projections the total number of jobs in application development software engineer and systems analyst positions is expected to increase from 520 800 to 664 500 27 6 and from 544 400 to 664 800 22 10 respectively to be able to perform the work required of an application development software engineer or systems analyst an education in software engineering is highly desired however according to the data released by bls earned awards and degrees by field of study 2005 2006 only 160 bachelor and 600 master s degrees in software engineering and 10 289 bachelor and 4 512 master s degrees in computer science were awarded in 2006 thus there is a significant gap between the demand and supply especially for graduates with a software engineering degree

contains 22 papers from the may 1999 symposium the 12 regular papers discuss distributed object systems analysis testing and debugging validation of concurrent programs and applications and methods among the titles are state based reproducible testing for corba applications channel dependenc

this text looks at the design and development of application specific software it covers topics such as networking engineering software and systems engineering security issues multimedia and information systems sofware reliability issues and tools for software and systems

this revision of the bestselling software requirements book reflects the new way of categorizing software requirements techniques objects functions and states the author takes an analytical approach by helping the reader analyze which technique is best rather than imposing one specific technique

the range of components technology is both wide and diverse but some common understanding is emerging through the ideas of model based development these include the notions of interfaces contracts services connectors and architectures key issues in the application of the technology are becoming clearer including the consistent integration of different views of a component component composition component coordination and transformation for platforms however we still know little about theories that support analysis and synthesis of component based systems the distinct feature of this volume is its focus on mathematical models that identify the core concepts as first

class modeling elements and its providing of techniques for integrating and relating them the volume contains eleven chapters by well established researchers writing from different perspectives each chapter gives explicit definitions of components in terms of a set of key aspects and addresses some of the problems of integration and analysis of various views component specification component composition component coordination refinement and substitution and techniques for solving problems the concepts and techniques are motivated and explained with the help of examples and case studies

partial contents architecture framework components formal methods metrics quality assurance software design methodology validation verification uml software development environment object oriented techniques distributed mobil systems user interface

the theme of the november 1999 symposium deals with which technologies to take into the new millennium and which ones to leave behind the 32 papers address software reliability techniques models reliability and safety object oriented testing and modeling quality testing and early quality prediction some of the topics are rare failure state in a markov chain model for software reliability classification tree models of software quality over multiple releases mutation testing applied to validate specifications based on statecharts generating test cases from an oo model with an ai planning system and requirements volatility and defect density no subject index annotation copyrighted by book news inc portland or

annotation the 82 technical papers from the december 1999 conference discuss software evolution components and frameworks internet applications engineering formal and visual methods empirical software engineering business process modeling and applications requirements engineering software architectures software agents tools and environments software patterns program slicing and analysis object oriented methodologies software engineering practice behavior and semantic models real time software engineering reengineering and maintenance testing and software process collaboration and project management no subject index annotation copyrighted by book news inc portland or

this book integrates a useful set of software engineering standards with accompanying papers on specific knowledge areas in software engineering used as a csdp resource guide it should improve a test taker s ability to pass the ieee csdp certified software development professionals exam

these papers constitute the proceedings of the seventh asia pacific software engineering conference apsec 2000 they address software evolution internet applications engineering requirements engineering software architectures software agents tools and environments and

more

this year s proceedings features a wide variety of papers focusing on cutting edge topics that prove to be an excellent catalyst for further research and collaboration topics range from multimedia applications enabled web services algorithms software engineering and development communication storage and retrieval to e learning and bioinformatics these topics are playing very important roles for creating next generation multimedia architectures solutions and applications in the areas of content creation distribution authentication presentation and e learning and bioinformatics

sixty four papers from the december 2000 symposium discuss the technical aspects of specifying designing implementing and evaluating multimedia software systems the papers cover such areas as multimedia architecture requirements and design specification user interface design internet applications intelligent systems signal and image processing and databases topics include distributed speech recognition services hierarchical case representation for software reuse using sdl for implementing a wireless medium access control protocol image coding using smvq with two level block classifier and a multimedia software for the analysis and design of circuits and electronics no subject index annotation copyrighted by book news inc portland or

integrating case studies to show the object oriented approach to software engineering object oriented and classical software engineering 7 e presents an excellent introduction to software engineering fundamentals covering both traditional and object oriented techniques the coverage of both agile processes and open source software has been considerably expanded in addition the osbert oglesby running case study has been replaced with a new case study on the martha stockton greengage foundation the new study highlights even more aspects of the unified process the book s unique organization remains in place with part i covering underlying software engineering theory and part ii presenting the more practical life cycle complementing this well balanced approach is the straightforward student friendly writing style through which difficult concepts are presented in a clear understandable manner the new seventh edition provides an extensive updating of this classic software engineering text

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