

<<Quality of Software >>

图书基本信息

书名：<<Quality of Software Architectures and Software Quality 软件体系结构质量与软件质量/会议录>>

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内容概要

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.

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书籍目录

Keynotes Reexamining the Role of Interactions in Software Architecture Are Successful Test Cases Useless or Not? QoSA Long Papers Software Architecture Evaluation DoSAM - Domain-Specific SoRware
 Architecture Comparison Model An Architecture-Centric Approach for Producing Quality Systems Formal Approaches to Model-Driven QoS-Handling A Model-Oriented Framework for Runtime Monitoring of Nonfunctional Properties Predicting Mean Service Execution Times of Software Components Based on Markov Models Modelling QoS in Software Architectures An XML-Based Language to Support Performance and Reliability Modeling and Analysis in Software Architectures Formal Definition of Metrics Upon the CORBA Component Model Software Architectures Applied The Architect's Dilemma - Will Reference Architectures Help? Architectural Reuse in Software Systems In-house Integration and Merge - Experiences from Industry Architectural Design for QoS Supporting Security Sensitive Architecture Design Exploring Quality Attributes Using Architectural Prototyping Model-Driven Software Quality Estimation On the Estimation of SoRware Reliability of Component-Based Dependable Distributed Systems Empirical Evaluation of Model-Based Performance Prediction Methods in Software Development SOQUA Long Papers Test Case Selection Automatic Test Generation for N-Way Combinatorial Testing Automated Generation and Evaluation of Dataflow-Based Test Data for Object-Oriented Software Model-Based Testing Unit Testing Performance Testing Author Index

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