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Nota di contenuto	Prediction, Analysis and Monitoring of System Architecture -- Performance Prediction of J2EE Applications Using Messaging Protocols -- EJBMemProf – A Memory Profiling Framework for Enterprise JavaBeans -- Model-Driven Safety Evaluation with State-Event-Based Component Failure Annotations -- Optimizing Resource Usage in Component-Based Real-Time Systems -- Evaluating Performance Attributes of Layered Software Architecture -- Component-Level Dataflow Analysis -- Architecture and Design of Component-Based Systems -- Exogenous Connectors for Software Components -- Qinna, a Component-Based QoS Architecture -- Architecture Based Deployment of Large-Scale Component Based Systems: The Tool and Principles -- Component-Based Open Middleware Supporting Aspect-Oriented Software Composition -- An Empirical Study on the

Specification and Selection of Components Using Fuzzy Logic -- Finding a Needle in the Haystack: A Technique for Ranking Matches Between Components -- Extra-Functional System Properties of Components and Component-Based Systems -- A Contracting System for Hierarchical Components -- Tailored Responsibility Within Component-Based Systems -- Efficient Upgrading in a Purely Functional Component Deployment Model -- Real-Time Scheduling Techniques for Implementation Synthesis from Component-Based Software Models -- A Component-Oriented Model for the Design of Safe Multi-threaded Applications -- TeStor: Deriving Test Sequences from Model-Based Specifications -- Components at Work -- A CCA-compliant Nuclear Power Plant Simulator Kernel -- Experience with Component-Based Development of a Telecommunication Service -- Reusable Dialog Component Framework for Rapid Voice Application Development -- Unlocking the Grid -- Experience Report: Design and Implementation of a Component-Based ProtectionArchitecture for ASP. NET Web Services.

Sommario/riassunto

On behalf of the Organizing Committee I am pleased to present the proceedings of the 2005 Symposium on Component-Based Software Engineering (CBSE). CBSE is concerned with the development of software-intensive systems from reusable parts (components), the development of reusable parts, and system maintenance and improvement by means of component replacement and c- tomization. CBSE 2005, “Software Components at Work,” was the eighth in a series of events that promote a science and technology foundation for achieving predictable quality in software systems through the use of software component technology and its associated software engineering practices. We were fortunate to have a dedicated Program Committee comprised of 30 internationally recognized researchers and industrial practitioners. We received 91 submissions andeach paper wasreviewedby at least three ProgramComm- tee members (four for papers with an author on the Program Committee). The entirereviewingprocesswassupportedbyCyberChairPro,theWeb-basedpaper submissionandreviewsystemdevelopedandsupportedbyRichardvandeStadt of Borbala Online Conference Services. After a two-day virtual Program C- mittee meeting, 21 submissions were accepted as long papers and 2 submissions were accepted as short papers.