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Nota di bibliografia	Includes bibliographical references and index.
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 Protection Architecture for ASP.NET Web Services.

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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 componentization. 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 and each paper was reviewed by at least three Program Committee members (four for papers with an author on the Program Committee). The entire reviewing process was supported by CyberChairPro, the Web-based paper submission and review system developed and supported by Richard van de Staadt of Borbala Online Conference Services. After a two-day virtual Program Committee meeting, 21 submissions were accepted as long papers and 2 submissions were accepted as short papers.

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