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	Soggetti	Software engineering Application software Information storage and retrieval Multimedia information systems Computer communication systems Computer programming Software Engineering Information Systems Applications (incl. Internet) Information Storage and Retrieval Multimedia Information Systems Computer Communication Networks Programming Techniques
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	Nota di contenuto	Component-Based Design of Embedded Software: An Analysis of Design Issues -- Component-Based Design of Embedded Software: An Analysis of Design Issues -- How Design Patterns Affect Application Performance – A Case of a Multi-tier J2EE Application -- An MDA-Based Approach for Inferring Concurrency in Distributed Systems -- Task-Based Access Control for Virtual Organizations -- Self-Deployment of

Distributed Applications -- Modeling and Analysis of Exception Handling by Using UML Statecharts -- Coordinated Anonymous Peer-to-Peer Connections with MoCha -- A Survey of Software Development Approaches Addressing Dependability -- FreeSoDA: A Web Services-Based Tool to Support Documentation in Distributed Projects -- A JMM-Faithful Non-interference Calculus for Java -- A Java Package for Transparent Code Mobility -- Keynote Talks -- Dependability-Explicit Computing: Applications in e-Science and Virtual Organisations -- Towards a Precise UML-Based Development Method -- Tutorials -- Fault Tolerance – Concepts and Implementation Issues.

Sommario/riassunto

FIDJI 2004 was an international forum for researchers and practitioners int- estedinthe advancesin,andapplicationsof, softwareengineeringfordistributed application development. Concerning the technologies, the workshop focused on “Java-related” technologies. It was an opportunity to present and observe the latest research, results, and ideas in these areas. Allpaperssubmittedtothisworkshopwerereviewedbyatleasttwomembers of the International Program Committee. Acceptance was based primarily on originality and contribution. We selected, for these post-workshop proceedings, 11 papers amongst 22 submitted, a tutorial and two keynotes. FIDJI2004aimedatpromotingascienti? capproachtosoftwareengineering. The scope of the workshop included the following topics: – design of distributed applications – development methodologies for software and system engineering – UML-based development methodologies – development of reliable and secure distributed systems – component-based development methodologies – dependability support during system life cycle – fault tolerance re? nement, evolution and decomposition – atomicity and exception handling in system development – software architectures, frameworks and design patterns for developing d- tributed systems – integration of formal techniques in the development process – formal analysis and grounding of modelling notation and techniques (e. g. , UML, metamodelling) – supporting the security and dependability requirements of distributed app- cations in the development process – distributed software inspection – refactoring methods – industrial and academic case studies – development and analysis tools The organization of such a workshop represents an important amount of work.