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Nota di contenuto	Research Papers -- Managing Dynamic Reconfiguration in Component-Based Systems -- Architecting Global Automation Systems over a Distributed Multi-agent Infrastructure -- The ArchWare Tower: The Implementation of an Active Software Engineering Environment Using a ?-Calculus Based Architecture Description Language -- Aspect Modelling at Architecture Design -- Dynamic Evolution in Aspect-Oriented Architectural Models -- Handling Dynamic Behaviour in Software Architectures -- Pattern-Based Architectural Design Driven by Quality Properties: A Platform to Model Scientific Calculation -- Concern-Based Development of Pattern Systems -- Engineering MDA into Compositional Reasoning for Analyzing Middleware-Based Applications -- Context-Awareness in Software Architectures -- Modelling to Safety -- A Distributed Intrusion Detection Approach for Secure Software Architecture -- Case Study -- Deriving Architecture Specifications from KAOS Specifications: A Research Case Study -- Position Papers -- On the Systematic Conformance Check of Software Artefacts -- The Decision View of Software Architecture -- Towards Context-Sensitive Intelligence -- Architecture Description for Mobile Distributed Systems -- Invited Paper -- Architectural Aspects of Architectural Aspects.

Sommario/riassunto

The 1st European Workshop on Software Architecture (EWSA 2004) was held in St Andrews, Scotland on 21–22 May 2004. The workshop provided an international forum for researchers and practitioners from academia and industry to discuss a wide range of topics in the area of software architecture and to jointly formulate an agenda for future research. We were pleased to continue this forum in EWSA 2005. The importance of software architecture as a fundamental area of software engineering continues to grow. In addition to describing the underlying structure of software systems, architectures are now being used to model and understand dynamic behavior. New areas of study, which have their roots in control systems, are beginning to emerge. The field of autonomic computing requires an underlying software architecture to describe the executing computation as does any control system that involves system evolution. The range of papers in EWSA 2005 reflected both the traditional and new applications of software architecture techniques. EWSA 2005 distinguished between three types of papers: research papers (which describe authors' novel research work), a case study (which describes experiences related to software architectures) and position papers (which present concise arguments about a topic of software architecture research or practice). The Programme Committee selected 18 papers (12 research papers, 4 position papers, 1 case study, and 1 unrefereed invited paper) out of 41 submissions from 20 countries (Australia, Belgium, Brazil, Chile, China, Czech Republic, Finland, France, Germany, India, Italy, Ireland, Korea, Netherlands, Pakistan, Portugal, Spain, Switzerland, UK, USA). All submissions were reviewed by at least three members of the Programme Committee. Papers were selected based on originality, quality, soundness and relevance to the workshop. Credit for the quality of the proceedings goes to all authors of papers.
