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Nota di contenuto	Automatic Checking of Component Protocols in Component-Based Systems -- Checking Component Composability -- Static Verification of Indirect Data Sharing in Loosely-coupled Component Systems -- Enforcing Different Contracts in Hierarchical Component-Based Systems -- Automated Pattern-Based Pointcut Generation -- An Aspect-Oriented Approach for Developing Self-Adaptive Fractal Components -- Aspects of Composition in the Reflex AOP Kernel -- A Component-Based Approach to Compose Transaction Standards -- A Class-Based Object Calculus of Dynamic Binding: Reduction and Properties -- Tracechecks: Defining Semantic Interfaces with Temporal Logic -- Service Composition with Directories -- Modeling Composition

in Dynamic Programming Environments with Model Transformations -- General Composition of Software Artifacts -- Dimensions of Composition Models for Supporting Software Evolution -- Context-Aware Aspects -- Understanding Design Patterns Density with Aspects -- A Model for Developing Component-Based and Aspect-Oriented Systems -- FROGi: Fractal Components Deployment over OSGi -- Modular Design of Man-Machine Interfaces with Larissa -- On the Integration of Classboxes into C# -- Automatic Control Flow Generation from Software Architectures.

Sommario/riassunto

Research in software composition investigates models and techniques to build systems from predefined, pretested, reusable components instead of building them from scratch. In recent years, this idea has largely been adopted by industry. In the shape of service-oriented architecture, software composition has become an influential design paradigm, especially for the (re-)organization of the IT infrastructure of organizations. On the technical level, the standardization of Web services and other composition technologies has further matured. Current research in software composition aims at (further) developing composition models and techniques. The aspect-oriented programming and design paradigm, for instance, has gained interest in the research community as a composition (support) model. Other current research questions concern the specification of component contracts, in particular making explicit its observable behavior, and methods of correct components composition. The International Symposium on Software Composition provides a premier forum for discussing these kinds of research questions and presenting original research results. This LNCS volume contains the proceedings of the 5th International Symposium on Software Composition, which was held as a satellite event of the European Joint Conferences on Theory and Practice of Software (ETAPS) in Vienna, Austria, March, 25-26 2006. The symposium started with a keynote on "Semantically Enabled Service-Oriented Architectures" given by Dieter Fensel, Director of the Digital Research Institute. The main program consisted of presentations of research papers on software compositions. These proceedings contain the revised versions of the papers presented at SC 2006.
