

1. Record Nr.	UNINA9910484273903321
Titolo	Software Composition : 6th International Symposium, SC 2007, Braga, Portugal, March 24-25, 2007, Revised Selected Papers / / edited by Markus Lumpe, Wim Vanderperren
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	3-540-77351-7
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (X, 281 p.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 4829
Disciplina	005.3
Soggetti	Software engineering Computer programming Compilers (Computer programs) Computer science Computer networks Software Engineering Programming Techniques Compilers and Interpreters Computer Science Logic and Foundations of Programming Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talk -- Composition by Anonymous Third Parties -- Session: Composition Contracts -- Defining Component Protocols with Service Composition: Illustration with the Kmerlia Model -- Composite Contract Enforcement in Hierarchical Component Systems -- Towards a Unifying Theory for Choreography Conformance and Contract Compliance -- Session: Composition Design and Analysis -- A Process-Algebraic Approach to Workflow Specification and Refinement -- Generic Feature-Based Software Composition -- Composition Management Interfaces for a Predictable Assembly -- Path-Based Error Propagation Analysis in Composition of Software Services -- Session: Dynamic Composition -- Dynamically Adaptable Applications with iPOJO Service Components -- Dynamic Contextual Service Ranking -- Session: Short

Papers -- Measuring Reactability of Persistent Computing Systems -- Requirements for Applying Aspect-Oriented Techniques in Web Service Composition Languages -- Synthesizing Communication Middleware from Explicit Connectors in Component Based Distributed Architectures -- Streamlining Feature-Oriented Designs -- Requirements for Reusable Aspect Deployment -- Session: Aspect-Oriented Programming -- Aspect-Oriented Programming: Selecting and Exposing Object Paths -- Debugging Aspect-Enabled Programs -- Unification of Static and Dynamic AOP for Evolution in Embedded Software Systems -- Session: Structural Composition -- Patterns of Component Evolution -- An Approach for Structural Pattern Composition -- Composite Connectors for Composing Software Components.

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#### Sommario/riassunto

On behalf of the Organizing Committee we are pleased to present the proceedings of the 2007 Symposium on Software Composition (SC2007).

The goal of SC2007

was to bring together the research and industrial communities in order to address the challenges of the component-based software development approach. SC 2007 was the sixth symposium on software composition in the SC series that seeks to develop a better understanding of how software components may be used to build and maintain large software systems. This LNCS volume contains the revised versions of the papers presented at SC 2007, which was held as a satellite event of the European Joint Conferences on Theory and Practice of Software (ETAPS) in Braga, Portugal, March 24–25, 2007. The symposium began with a keynote on “Composition by Anonymous Parties” by Farhad Arbab (CWI and Leiden University). The main program consisted of six technical sessions related to specific aspects of component-based software development. In response to the call for papers, we received 59 submissions from over 20 countries and 6 continents. Each paper was reviewed by at least three Program Committee members.

The entire reviewing process was supported by Microsoft’s Conference Management Toolkit. In total, 15 submissions were accepted as full papers and 5 submissions were accepted as short papers.

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