

Table of Contents

Composition and Interfaces

Deriving Functional Interface Specifications for Composite Components	1
<i>Perla Velasco Elizondo and Mbe Koua Christophe Ndjatchi</i>	
Comparing Machine Learning Approaches for Context-Aware Composition	18
<i>Antonina Danylenko, Christoph Kessler, and Welf Löwe</i>	
An Implementation of Composable Memory Transactions in Haskell	34
<i>André Rauber Du Bois</i>	
Synthesizing Glue Operators from Glue Constraints for the Construction of Component-Based Systems	51
<i>Simon Bliudze and Joseph Sifakis</i>	

Aspects and Features

A Sequence of Patterns for Reusable Aspect Libraries with Easy Configuration	68
<i>Maarten Bynens, Eddy Truyen, and Wouter Joosen</i>	
Pluggable Aspect Instantiation Models	84
<i>David H. Lorenz and Victor Trakhtenberg</i>	
Composing Event-B Specifications - Case-Study Experience	100
<i>Ali Gondal, Michael Poppleton, and Michael Butler</i>	

Applications I

A Formal Approach for Incremental Construction with an Application to Autonomous Robotic Systems	116
<i>Saddek Bensalem, Lavindra de Silva, Andreas Griesmayer, Felix Ingrand, Axel Legay, and Rongjie Yan</i>	
Towards Incremental Cycle Analysis in ESMoL Distributed Control System Models	133
<i>Joseph Porter, Daniel Balasubramanian, Graham Hemingway, and János Sztipanovits</i>	
Assuring Architectural Properties during Compositional Architecture Design	141
<i>Constanze Deiters and Andreas Rausch</i>	

Applications II

Coherence and Performance for Interactive Scientific Visualization Applications.....	149
<i>Sébastien Limet, Sophie Robert, and Ahmed Turki</i>	
Toward Validated Composition in Component-Based Adaptive Middleware	165
<i>Annie Ressouche, Jean-Yves Tigli, and Oscar Carrillo</i>	
Author Index	181