# Table of Contents

A Tailorable Environment for Assessing the Quality of Deployment Architectures in Highly Distributed Settings .......................... 1
*Marija Mikic-Rakic, Sam Malek, Nels Beckman, and Nenad Medvidovic (University of Southern California, USA)*

Customizing Component-Based Architectures by Contract ............. 18
*Orlando Loques (Universidade Federal Fluminense, Brazil) and Alexandre Sztajnberg (Universidade do Estado do Rio de Janeiro, Brazil)*

Deploying CORBA Components on a Computational Grid: General Principles and Early Experiments Using the Globus Toolkit .......... 35
*Sébastien Lacour, Christian Pérez, and Thierry Priol (IRISA/INRIA, France)*

Asynchronous, Hierarchical, and Scalable Deployment of Component-Based Applications ................................. 50
*Vivien Quémé (INRIA Rhône-Alpes, France), Roland Balter, Luc Bellissard, David Féliot, André Freyssinet, and Serge Lacourte (ScalAgent Distributed Technologies, France)*

Dynamic Deployment of IIOP-Enabled Components in the JBoss Server 65
*Francisco Reverbel (University of São Paulo, Brazil), Bill Burke, and Marc Fleury (JBoss Inc, USA)*

A Policy-Driven Class Loader to Support Deployment in Extensible Frameworks ...................................................... 81
*Richard S. Hall (Laboratoire LSR-IMAG Grenoble, France)*

MagicBeans: a Platform for Deploying Plugin Components ............ 97
*Robert Chatley, Susan Eisenbach, and Jeff Magee (Imperial College London, UK)*

Dynamic Deployment of Executing and Simulating Software Components ...................................................... 113
*Alexander Egyed (Teknowledge Corp., USA)*

Towards a Dynamic Resource Contractualisation for Software Components ...................................................... 129
*Nicolas Le Sommer (University of South Brittany, France)*

Keeping Control of Reusable Components ................................ 144
*Susan Eisenbach, Dilek Kayhan (Imperial College London, UK), and Chris Sadler (Middlesex University, UK)*
Table of Contents

Eureka – A Resource Discovery Service for Component Deployment ...... 159
Karl Pauls (FU Berlin, Germany) and Richard S. Hall (Laboratoire LSR-IMAG Grenoble, France)

Secure Deployment of Components ........................................... 175
Mark Grechanik and Dewayne E. Perry (University of Texas at Austin, USA)

JPloy: User-Centric Deployment Support in a Component Platform ....... 190
Chris Lüer and André van der Hoek (University of California, Irvine, USA)

On the Performance of SOAP in a Non-trivial Peer-to-Peer Experiment.. 205
Tom Van Cutsem, Stijn Mostinckx, Wolfgang De Meuter, Jessie Dedecker, and Theo D’Hondt (Vrije Universiteit Brussels, Belgium)

A Flexible and Secure Deployment Framework for Distributed Applications.................................................. 219
Alan Dearle, Graham Kirby, Andrew McCarthy, and Juan Carlos Diaz y Carballo (University of St Andrews, UK)

Deploying Agents with the CORBA Component Model .................... 234
Fabio Melo, Ricardo Choren, Renato Cerqueira, Carlos Lucena (PUC Rio de Janeiro, Brazil), and Marcelo Blois (PUC Rio Grade do Sul, Brazil)

Author Index ................................................................. 249