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Software Architecture

Third European Workshop, EWSA 2006
Nantes, France, September 4-5, 2006
Revised Selected Papers

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Preface

Following the successful workshops held in St. Andrews, Scotland, UK in 2004 (EWSA 2004, Springer LNCS 3527) and in Pisa, Italy in 2005 (EWSA 2005, Springer LNCS 3047), the 3rd European Workshop on Software Architecture (EWSA 2006) held in Nantes, France during September 4–5, 2006 provided an international forum for researchers and practitioners from academia and industry to present innovative research and discuss a wide range of topics in the area of software architecture.

Software architecture has emerged as an important subdiscipline of software engineering encompassing a broad set of languages, styles, models, tools, and processes. The role of software architecture in the engineering of software-intensive systems has become more and more important and widespread. Challenging applications include support for dynamic, adaptive, autonomic and mobile systems.

The workshop focused on formalisms, technologies, and processes for describing, verifying, validating, refining, building, and evolving software systems, in particular based on component and service-oriented architectures. Topics covered included architecture modeling, architectural aspects, architecture analysis, transformation and synthesis, quality attributes, model-driven engineering, and architecture-based support for assembling components and developing component and service-oriented systems.

EWSA 2006, distinguished between two types of papers: research papers, which describe authors novel research work, and position papers, which present concise arguments about a topic of software architecture research or practice.

The Program Committee selected 18 papers (13 research papers and 5 position papers) out of 53 submissions from 25 countries (Algeria, Austria, Belgium, Brazil, Canada, Chile, China, Czech Republic, Finland, France, Germany, India, Ireland, Italy, Norway, Oman, Poland, Portugal, Russia, Spain, Switzerland, The Netherlands, Tunisia, UK, USA). All submissions were reviewed by three members of the Program Committee. Papers were selected based on originality, quality, soundness and relevance to the workshop. Credit for the quality of the proceedings goes to all the authors. In addition, the workshop included an invited talk by Richard N. Taylor (University of California, Irvine, USA) and a panel on Research Directions.

We would like to thank the members of the Program Committee for providing timely and significant reviews and for their substantial effort in making EWSA 2006 a successful workshop.

As with EWSA 2004 and 2005, the EWSA 2006 submission and review process was extensively supported by the Paperdyne Conference Management System. We are indebted to Clemens Schäfer for his outstanding support.

EWSA 2006 was held in conjunction with the 1st French Conference on Software Architecture (CAL 2006). We acknowledge Tahar Khammaci, Dalila Tamzalit and the other members of both Organizing Committees for their excellent service.

Finally, we acknowledge the prompt and professional support from Springer, which published these proceedings in printed and electronic volumes as part of the *Lecture Notes in Computer Science* series.

September 2006

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Table of Contents

Invited Talk

Primacy of Place: The Reorientation of Software Engineering Demanded by Software Architecture	1
<i>Richard N. Taylor</i>	

Research Papers

Fault Tolerant Web Service Orchestration by Means of Diagnosis	2
<i>Liliana Ardissono, Roberto Furnari, Anna Goy, Giovanna Petrone, and Marino Segnan</i>	
Synthesis of Concurrent and Distributed Adaptors for Component-Based Systems	17
<i>Marco Autili, Michele Flammini, Paola Inverardi, Alfredo Navarra, and Massimo Tivoli</i>	
Introspective Model-Driven Development	33
<i>Thomas Büchner and Florian Matthes</i>	
Eliminating Execution Overhead of Disabled Optional Features in Connectors	50
<i>Lubomír Bulej and Tomáš Bureš</i>	
Automated Selection of Software Components Based on Cost/Reliability Tradeoff	66
<i>Vittorio Cortellessa, Fabrizio Marinelli, and Pasqualina Potena</i>	
On the Modular Representation of Architectural Aspects	82
<i>Alessandro Garcia, Christina Chavez, Thais Batista, Claudio Sant'anna, Uirá Kulesza, Awais Rashid, and Carlos Lucena</i>	
Configurations by UML	98
<i>Øystein Haugen and Birger Møller-Pedersen</i>	
Modes for Software Architectures	113
<i>Dan Hirsch, Jeff Kramer, Jeff Magee, and Sebastian Uchitel</i>	
Integrating Software Architecture into a MDA Framework	127
<i>Esperanza Marcos, Cesar J. Acuña, and Carlos E. Cuesta</i>	
Layered Patterns in Modelling and Transformation of Service-Based Software Architectures	144
<i>Claus Pahl and Ronan Barrett</i>	

Towards MDD Transformations from AO Requirements into AO Architecture 159
Pablo Sánchez, José Magno, Lidia Fuentes, Ana Moreira, and João Araújo

Modeling and Analyzing Mobile Software Architectures 175
Clemens Schäfer

Preserving Software Quality Characteristics from Requirements Analysis to Architectural Design 189
Holger Schmidt and Ina Wentzlaff

Position Papers

Identifying “Interesting” Component Assemblies for NFRs Using Imperfect Information 204
Hernán Astudillo, Javier Pereira, and Claudia López

Towards More Flexible Architecture Description Languages for Industrial Applications 212
Rabih Bashroush, Ivor Spence, Peter Kilpatrick, and John Brown

Architecture Transformation and Refinement for Model-Driven Adaptability Management: Application to QoS Provisioning in Group Communication 220
Christophe Chassot, Karim Guennoun, Khalil Drira, François Armando, Ernesto Exposito, and André Lozes

Automating the Building of Software Component Architectures 228
Nicolas Desnos, Sylvain Vauttier, Christelle Urtado, and Marianne Huchard

Component Deployment Evolution Driven by Architecture Patterns and Resource Requirements 236
Didier Hoareau and Chouki Tibermacine

Author Index 245