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Conference Proceedings

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## **Preface to NODe 2005**

NODe 2005 presents novel work in the areas of methods, models, languages, and tools for efficient, reliable and adaptive composition of software artifacts. The conference reflects recent developments in information and communication technologies that have substantially changed the nature of global relationships, sources of competitive advantage, and opportunities for economic and social development. These changes pose increasingly complex challenges to the computer science community in general and the software community in particular. Self-adaptation, self-management, and self-healing are key features in a new software landscape that aims on providing flexible solutions to solve one-of-a-kind problems in an adequate, reliable and cost-effective way.

This volume includes the proceedings of the sixth NODe, held in Erfurt, Germany, September 19-22, 2005. This year's conference had a strong focus on adaptive service oriented computing, aspect-oriented programming, and object-oriented technologies. As the result of the thorough peer review process, eleven out of 30 papers were accepted for presentation and publication. Each paper has been reviewed by at least three members of the international program committee and assessed by the conference chairs. The papers selected present some of the most interesting latest developments in the areas of software engineering methods, models, languages, and tools.

We would like to take this opportunity to thank all members of the international program committee for their excellent work, effort, and support in ensuring the high-quality program and successful outcomes of the NODe 2005 conference. The editors would like to thank the German Computer Science Society's Special Interest Group on Development Methods for Information Systems and their Application (EMISA) for its support in creating the proceedings. Special thanks go to Kirsten Paradies for providing administrative support.

Munich and Potsdam, August 2005

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Andreas Polze  
Mathias Weske

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## **Preface to GSEM 2005**

This volume consists of proceedings of the Second International conference on Grid Services Engineering and Management (GSEM 2005) that was held in conjunction with the 6th International Conference Net.ObjectDays 2005 (NODE 2005) in Erfurt, Germany on 19-22 September 2005.

The Grid has emerged as a global platform to support on-demand virtual organizations for coordinated sharing of distributed data, applications and processes. Service orientation of the Grid also makes it a promising platform for seamless and dynamic development, integration and deployment of service-oriented applications. The application components can be discovered, composed and delivered within a Grid of services, which are loosely coupled to create dynamic business processes and agile applications spanning organizations and computing platforms. The technologies contributing to such Grids of services include Web Services, Semantic Web, Grid Computing, Component Software, and Agent Technology.

The GSEM 2005 conference provided an international forum for presenting the latest theoretical and practical results in technology solutions for engineering and management of Grid services and service-oriented applications. The conference aimed at bringing together researchers and practitioners from diverse fields and interests, including Web Services, Semantic Web, Grid infrastructures, software components, workflow, agent technologies and service management, and those looking for new business and research cooperation opportunities in the area of Grid services and service-oriented applications.

These proceedings present the 10 best papers accepted at GSEM 2005 as a result of the thorough peer review process. Almost 30 submissions were reviewed by at least three members of the international program committee and assessed by the conference chairs. The final acceptance decisions were based on the technical merits and quality of submissions. The papers selected for presentation at the conference present some of the most interesting latest developments in the areas of architecture, composition, security and management of grid services.

We would like to take this opportunity to thank all members of the International Program Committee for their excellent work, effort, and support in ensuring the high-quality program and successful outcomes of the GSEM 2005 conference. Finally, our thanks go to the German Computer Society (Gesellschaft für Informatik) for their cooperation and help in putting this volume together.

Melbourne and Potsdam, 2005

Ryszard Kowalczyk  
Andreas Polze

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## Table of Contents

### NODe 2005

Envelope-Based Weaving for Faster Aspect Compilers .....	3
<i>Christoph Bockisch, Michael Haupt, Mira Mezini, and Ralf Mitschke</i>	
Composing Aspects at Shared Join Points .....	19
<i>István Nagy, Lodewijk Bergmans, and Mehmet Aksit</i>	
Utilizing Design Information in Aspect-Oriented Programming.....	39
<i>István Nagy, Lodewijk Bergmans, Wilke Havinga, and Mehmet Aksit</i>	
Supporting Unanticipated Changes with Traits and Classboxes.....	61
<i>Alexandre Bergel and Stéphane Ducasse</i>	
Policies for an AOP Based Auto-Adaptive Framework .....	76
<i>Philip Greenwood and Lynne Blair</i>	
Dynamic Aspect Weaver Family for Family-based Adaptable Systems.....	94
<i>Wasif Gilani and Olaf Spinczyk</i>	
Portable Profiling of Memory Allocation in Java .....	110
<i>Walter Binder</i>	
Local Virtual Functions .....	129
<i>Christian Heinlein</i>	
Method Mixins .....	145
<i>Erik Ernst</i>	
A tool approach for supporting integration projects .....	162
<i>Stefan Kühne and Maik Thränert</i>	
Modularizing Security Related Concerns in Enterprise Applications - A Case Study with J2EE and AspectJ .....	177
<i>Renat Zubairov, Stefan Hanenberg, and Rainer Unland</i>	

## **GSEM 2005**

Applying Model-Transformation Techniques to Ontology Evolution.....	197
<i>Longfei Jin, Lei Liu, and Degui Guo</i>	
Grid Resource Ontologies and Asymmetric Resource-Correlation .....	205
<i>Mumtaz Siddiqui, Thomas Fahringer, Jürgen Hofer, and Ioan Toma</i>	
Integration of heterogenous services in the Adaptive Services Grid.....	220
<i>Harald Böhme and Alexander Saar</i>	
An Evaluation of Discovery approaches in Grid and Web services Environments .....	233
<i>Ioan Toma, Kashif Iqbal, Matthew Moran, Dumitru Roman, Thomas Strang, and Dieter Fensel</i>	
An Approach to Abstracting and Transforming Web Services for End-user-doable Construction of Service-Oriented Applications .....	248
<i>Jian Yu, Jun Fan, Yanbo Han, Jianwu Wang, and Chen Zhang.</i>	
Towards Autonomous SLA Management Using a Proxy-like Approach .....	259
<i>Bastian Koller and Lutz Schubert</i>	
Optimal Workflow Execution in Grid Environments .....	276
<i>Walter Binder, Ion Constantinescu, Boi Faltings, and Nadine Heterd</i>	
An Activity Completion Duration based Checkpoint Selection Strategy for Dynamic Verification of Fixed-time Constraints in Grid Workflow Systems .....	296
<i>Jinjun Chen and Yun Yang</i>	
MAGI - Mobile Access to Grid Infrastructure: Bringing the gifts of Grid to Mobile Computing .....	311
<i>Ali Sajjad, Hassan Jameel, Umar Kalim, Young-Koo Lee, and Sungyoung Lee</i>	
The Otho Toolkit: Generating Tailor-made Scientific Grid Application Wrappers.....	323
<i>Jürgen Hofer, Alex Villazón, Mumtaz Siddiqui, and Thomas Fahringer</i>	

## **Invited Talks**

Invited Talks .....	341
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