

Preface

In the last few years a paradigm shift in distributed computing could be witnessed. Service Oriented Computing has paved the way to changes in the design, architecture, delivery, and use of software applications. Services are defined as autonomous platform independent software elements which can be used to collaborate as distributed applications especially across organizational boundaries. They can be described, published, discovered, orchestrated, and programmed using standard protocols.

A promising way to realize the idea of Service Oriented Computing are Web Services. These services are designed for the implementation of business processes within a distributed computing environment and are based on a set of evolving standards.

In order to allow for PhD students to get involved into the current developments in the area of Service Oriented Computing and Web Services, the IBM PhD Student Symposium provides a forum for the presentation of PhD theses. PhD students get the opportunity to present and discuss the current status of their work in order to receive valuable feedback.

The focus of the IBM PhD Student Symposium is aligned to the co-located ICSOC conference (International Conference on Service Oriented Computing). Therefore, contributions with respect to the following topics were requested in the call for papers.

- Service Information Modeling
 - Service Description
 - Service Dependency Modeling
 - SLA Modeling
- Service Configuration
 - Service Composition
 - Service Discovery
 - Service Deployment
- Service Monitoring and Management
 - Service Performance
 - Service Scheduling
 - Service Fault Management
 - SLA Management
- Services Framework
 - Service Lifecycle Management
 - Service Oriented Architectures
 - Quality of Service
 - Services and Workflow/Business Processes
 - Service Semantics
- Applying Service-Oriented Architectures
 - Theoretical Application of Services

- Services in Grid Environments
- Services for Peer-to-Peer Applications
- Security and Privacy Issues with respect to Services

The review of each submission has been performed by two renowned experts in the area with respect to innovativeness and contribution, relevance to call for papers, technical content, paper organization and presentation, reference to related work, and overall recommendation.

November 2005

Andreas Hanemann
Program Chair
IBM PhD Student Symposium

Organization

The IBM PhD Student Symposium is held in conjunction with the 3rd International Conference on Service Oriented Computing (ICSOC 2005). It is organized as a whole day event on December 12, 2005 in the Mercure Hotel Amsterdam aan de Amstel (Amsterdam, The Netherlands). The homepage of the symposium can be found on the conference homepage (www.icsoc.org ⇒ PhD Symposium).

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Table of Contents

Session on Service Oriented Architectures

Towards an Ontology-enabled Service-Oriented Architecture	1
<i>Maksym Korotkiy (Vrije Universiteit Amsterdam, The Netherlands)</i>	
Engineering Authorization Services for the Service Oriented Architecture	7
<i>Sarath Indrakanti (Macquarie University, Australia)</i>	
Web Services Software Architecture	13
<i>Syahrul Fahmy (University of Manchester, United Kingdom)</i>	

Session on Management and Security

Using an Aspect Oriented Layer in SOA for Enterprise Application Integration	19
<i>Chinthaka D. Induruwana (University of Manchester, United Kingdom)</i>	
Towards a Service Management Information Base	25
<i>Martin Sailer (University of Munich, Germany)</i>	
Secure Document Circulation Using Web Services Technologies	31
<i>Shane Bracher (Bond University, Australia)</i>	

Session on Processes and Workflows

Model-driven Adapter Development for Web Services Interactions	37
<i>Hamid Motahari (University of New South Wales, Australia)</i>	
Towards a Transaction Framework for Contract-Driven, Service- Oriented Business Processes	43
<i>Ting Wang (Eindhoven University of Technology, The Netherlands)</i>	
A Business Aware Transaction Framework for Service Oriented Environments	49
<i>Benedikt Kratz (Tilburg University, The Netherlands)</i>	
Modeling and Analysing Web Services Protocols	55
<i>Julien Ponge (ISIMA, France)</i>	

Session on Quality of Service

Web Service Discovery with Implicit QoS Filtering	61
<i>Natalia Kokash (University of Trento, Italy)</i>	

Web Service Composition Quality Modelling	67
<i>Ganna Frankova (University of Trento, Italy)</i>	
Extending OWL for QoS-based Web Service Description and Discovery ..	73
<i>Kyriakos Kritikos (University of Crete, Greece)</i>	