Call for Papers

1st International Workshop on Multimedia Service Composition (MSC'05)

Singapore, November 11, 2005

http://www.l3s.de/msc05/index.html

AIMS AND SCOPE

Service-oriented architectures promise to introduce a maximum of flexibility and reusability of components into multimedia applications. Since most multimedia applications consist of several complex steps, the composition of basic services to achieve more complex goals is a mission critical problem. Moreover, important parameters for QoS have to be closely monitored and aggregated along the service chains to predict or guarantee certain values for the execution of complex workflows.
Service composition is also a concept strongly discussed and researched in the Web community today. Web services are expected to take over an essential part of everyday's responsibilities and their composition is necessary to extend their benefits to even complex tasks and value chains. However, most of these Web-based concepts and constructs today suffer from being generally invariant to data types including the new datatypes that are being heavily explored in the multimedia community. Using these well-understood and standardized datatypes the efficient provisioning and improved reusability of components becomes feasible. Thus, the move from data-driven to service-driven architectures promises to open up a whole new field of value adding multimedia applications dynamically built on top of basic components.
MSC'05 provides a forum for presenting new challenges and research results in multimedia service composition. Its predecessor was held in the framework of the Brave New Topics (see www.mm2004.org/acm_mm04_braveMMservice.htm) at ACM Multimedia Conference 2004 in New York, USA. We invite researchers, and industrial practitioners to participate and share their knowledge in this forum. We solicit the following types of papers:

* Research papers (up to 10 pages)
* Application/experience papers (up to 10 pages)

All accepted papers will be published by the ACM within a dedicated volume for the workshops of ACM Multimedia 2005.

TOPICS OF INTEREST

Papers should address specific challenges for service composition in multimedia systems, and propose or evaluate methods, architectures and techniques to overcome these challenges. Topics of interest include, but are not limited to:

- integration of web and multimedia service composition frameworks
- system integration aspects in service composition
- service composition support in middleware systems
- session management for service compositions
- service routing and aspects of distribution
- role of service discovery in dynamic composition
- semantic enhancements for service discovery /selection
- service composition and meta-data representation
- semantic distances between advertised service capabilities
- ontology-based service capability descriptions (e.g. OWL-S)
- service interoperability, interface design and impact on QoS
- service level agreements and QoS guarantees of service chains
- multimedia service personalization and customization
- multimedia application decomposition and service modeling
- multimedia process workflows and service composition lifecycle

PAPER SUBMISSION AND IMPORTANT DATES

Authors are invited to submit original, previously unpublished papers. Submissions should be formatted according to the ACM guidelines and have up to 10 pages. Submissions have to be sent by July, 29th 2005 to the workshop chairs

- 29 Jul 2005 Workshop papers due
- 22 Aug 2005 Notice of acceptance for workshop papers
- 29 Aug 2005 Camera ready papers due

ORGANIZING COMMITTEE

Co-Chairs: Klara Nahrstedt (University of Illinois, Urbana-Champaign, USA)
Wolf-Tilo Balke (L3S Research Center, University of Hannover, Germany)

PC members:
Christian Becker (University of Stuttgart, Germany)
Hao-Hua Chu (National Taiwan University, Taiwan)
Peter Dolog (University of Hannover, Germany)
Xiaohui Gu (IBM T. J. Watson Research Center, USA)
Dejan Milojicic (HP Labs Palo Alto, USA)
Nalini Venkatasubramanian (UC Irvine, USA)
Matthias Wagner (NTT DoCoMo Euro Labs, Germany)
Klaus Wehrle (University of Tübingen, Germany)
Xing Xie (Microsoft Research Asia, China)
Dongyan Xu (Purdue University, USA)