12th International IEEE EDOC Conference "The Enterprise Computing Conference"
(http://www.lrz-muenchen.de/~edoc2008/index.html)
Sponsored by IEEE, IEEE Computer Society, IEEE Communications Society
Hosted by Ludwig-Maximilians-Universität München
15-19 September 2008, München, Germany

~~~~~~

CALL FOR PAPERS

2008 Middleware for Web Services (MWS 2008) Workshop

Sponsored by NICTA (http://www.nicta.com.au) NICTA

Held at the EDOC 2008 conference in Munich, Germany
Web site: http://www.greenpea.net/mws/mws2008/index.html
Extended paper submission deadline: 27 June 2008

~~~~~~

About the Workshop

During the past several years, Web services technologies have become very prominent in both the research community and the industry. Web services are distributed computing application components that use a number of Extensible Markup Language (XML) based technologies to implement the service-oriented architecture (SOA). Implementation-independence of Web services technologies allows different businesses to collaborate and achieve common business goals despite the fact that the collaborating Web services can be distributed over the Internet, run on different platforms, and implemented in different programming languages. Web services technologies are already embedded in various products and services of all major computing companies and used for diverse purposes. An important application area is e-business process integration in business-to-business (B2B) and/or enterprise application integration (EAI) scenarios. Additionally, Web service technologies became the basis for several other recent distributed computing technologies, such as Grid services and Semantic Web services.

Middleware plays an important role for Web services technologies. Reusable Web services technologies are implemented in middleware, so appropriate middleware is a prerequisite for the growing acceptance of these technologies. For example, implementation independence of Web services is achieved using middleware, such as application servers and/or SOAP engines (software that analyzes, processes, and generates SOAP messages). In addition, middleware solutions have been proposed to provide, monitor, and manage quality of service (QoS) aspects, such as response time, throughput, availability, reliability, security, and privacy. The goal of this workshop is to bring together industrial, academic, and government researchers and developers interested in Web services and/or middleware technologies. Through paper presentations and discussions, this workshop will contribute to the exchange of knowledge and ideas, dissemination of results about completed and on-going research projects, as well as identification and analysis of remaining open research issues.

Middleware is traditionally one of the main topics in the EDOC (Enterprise Distributed Object Computing) community, while Web services are quickly

becoming a key technology within enterprise computing and thus also one of the central topics of EDOC conferences. Therefore, we have organized the Middleware for Web Services (MWS) 2005 workshop at EDOC 2005, the Middleware for Web Services (MWS) 2006 workshop at EDOC 2006, and the Middleware for Web Services (MWS) 2007 workshop at EDOC 2007. The workshops were successful, as they gathered academic, industrial, and government researchers and developers interested in Web services and/or middleware technology, many of whom have not attended previous EDOC conferences. Several regular EDOC attendees, some of whom have extensive experience with middleware for other distributed computing technologies, but not yet Web services, also attended the workshops. The keynote speakers (Dr. Heiko Ludwig from IBM Research at MWS 2005, Professor Lionel M. Ni from Hong Kong University of Science and Technology at MWS 2006, and Dr. Patrick C.K. Hung from the University of Ontario Institute of Technology at MWS 2007) and the panelists were praised for the insights they passed to the audience. This all lead to useful exchanges of ideas, improvement of understanding of wider research issues, and clearer identification of important open research issues and possible approaches towards their solution. Another group of successful recent workshop in this area were Middleware for Service Oriented Computing (MW4SOC) 2006 held at Middleware 2006 and Middleware for Service Oriented Computing (MW4SOC) 2007 held at Middleware 2007. We have now established close collaboration and coordination between the MWS workshops at EDOC conferences and the MW4SOC workshops at Middleware conferences. To further the achievements of all these past workshops and to facilitate scientific growth of this important area, we now organize the Middleware for Web Services (MWS) 2008 workshop at EDOC 2008.

Papers presenting and analyzing completed projects are particularly welcome. Papers about on-going research projects are also welcome, especially if they contain critical analysis of already achieved results and remaining open research issues. In addition, we invite papers about experiences and comparative analysis of middleware-related issues for Web services. We especially encourage submissions from industry. While the focus of the workshop is middleware for Web services, we are also interested in papers discussing the use of Web services as a middleware technology for utility computing, telecommunications, e-business, e-government, peer-to-peer (P2P) systems, distributed artificial intelligence, spontaneous networks, and other application areas, including "middleware as service" offerings from the open source community.

Topics of Interest (include, but are not limited to)

- Application servers for Web services
- Aspect-oriented Web services middleware
- Autonomic computing solutions for Web services and/or using Web services
- Best practices and patterns for Web services middleware
- Comparative analysis of middleware issues for Web services and other technologies (e.g., CORBA)
- Enterprise service bus architectures
- Industrial experiences with Web services middleware
- Middleware for Grid services and utility computing
- Middleware for discovery and/or selection of Web services
- Middleware for choreography and/or orchestration of Web services
- Middleware for Web-services based Semantic Web
- Middleware for Web services-based workflows
- Middleware for Web services executing in mobile, embedded, and ubiquitous/pervasive environments
- Monitoring and management middleware for Web services
- Negotiation middleware for Web services
- Policy-based middleware for Web services
- Quality of service middleware for Web services

- Query middleware for Web services
- Reputation and/or trust middleware for Web services
- Reliability, dependability, and fault-tolerance middleware for Web services
- Security and/or privacy middleware for Web services
- Service-oriented middleware
- SOAP (Simple Object Access Protocol) engines
- Web services as a middleware technology

Submission Guidelines

Authors are invited to submit previously unpublished, high-quality papers before ~~**13 June 2008**~~ **27 June 2008**. Papers published or submitted elsewhere will be automatically rejected. The submissions should be e-mailed to Dr. Vladimir Tosic (vladat at server: computer.org) and include "MWS2008" in the Subject line. Two types of submissions are solicited:
* **Full papers** – describing mature research or industrial case studies – up to **8 pages** long
* **Short papers** – describing work in progress or position statements – up to **4 pages** long

Submissions should be in the **IEEE Computer Society conference paper format**. Guidelines and templates for this format are available here. All submissions should include the author's name, affiliation and contact details. The preferred format is Adobe Portable Document Format (PDF), but Postscript (PS) and Microsoft Word (DOC) formats can be accepted in exceptional cases. Inquiries about paper submission should be e-mailed to Dr. Vladimir Tosic (vladat at server: computer.org) and include "MWS2008" in the Subject line.

All submissions will be formally peer-reviewed by at least 3 Program Committee members. The authors will be notified of acceptance around 18 July 2008. At least one author of every accepted paper MUST register for the Workshop and present the paper. The workshop proceedings will be published on the conference CD-ROM and all accepted papers (both full and short) will appear in the IEEE Digital Library. Analogously to MWS 2005, MWS 2006, and MWS 2007, authors of the best paper(s) at MWS 2008 will be awarded by NICTA. MWS 2005 was followed in 2007 by a special International Journal of Business Process Integration and Management (IJBPIM) journal issue on middleware for Web services. Another IJBPIM special issue with extended versions of selected outstanding papers from recent MWS workshops (including MWS 2008) and related workshops (e.g., MW4SOC) is scheduled for publication in 2009.

Important Dates

- Paper submission deadline: ~~**13 June 2008**~~ **27 June 2008**
- Paper acceptance notification: 18 July 2008
- Camera ready of papers: 28 July 2008

Workshop Chairs

- **Dr. Vladimir Tosic**, Managing Complexity, NICTA, Australia; Department of Computer Science, The University of Western Ontario, Canada; and School of Computer Science & Engineering, The University of New South Wales, Australia, e-mail: vladat (server: computer.org)
- **Dr. Karl Michael Göschka**, Distributed Systems Group, Institute of Information Systems, Vienna University of Technology, Austria, e-mail: Karl.Goeschka (server: tuwien.ac.at)
- **Dr. Aad van Moorsel**, School of Computing Science, The University of Newcastle upon Tyne, United Kingdom, e-mail: aad.vanmoorsel (server: ncl.ac.uk)
- **Dr. Raymond Wong**, School of Computer Science & Engineering, The University of New South Wales, Australia; NICTA, Australia; and Green Pea

Software, Australia, e-mail: wong (server: cse.unsw.edu.au) or raymond (server: greenpea.net)
- **Dr. Ian Warren**, Department of Computer Science, The University of Auckland, New Zealand, e-mail: ian-w (server: cs.auckland.ac.nz)

Workshop Program Committee

- Sergio Andreozzi, INFN, Italy
- Danilo Ardagna , Politecnico di Milano, Italy
- Djamal Benslimane, U. of Lyon 1, France
- Paul Brebner, NICTA, Australia
- Christoph Bussler, Merced Systems, USA
- Barbara Carminati, U. dell'Insubria - Como, Italy
- Dickson K.W. Chiu, Dickson System, Hong Kong
- Nick Cook, U. of Newcastle upon Tyne, UK
- Schahram Dustdar, Vienna U. of Technology, Austria
- Babak Esfandiari, Carleton U., Canada
- Abdelkarim Erradi, Readify, Australia
- Ignacio García Rodríguez de Guzmán, U. Castilla-La Mancha, Spain
- Chirine Ghedira, U. of Lyon 1, France
- Xiaofeng Gong, Glasgow Caledonian U., UK
- Patrick C.K. Hung, U. of Ontario Institute of Technology, Canada
- Alexander Keller, IBM Global Technology Services, USA
- Shonali Krishnaswamy, Monash U., Australia
- Franky Lam, Microsoft, USA
- Frank Leymann, U. of Stuttgart, Germany
- Ying CR Li, IBM Research, China
- Marin Litoiu, IBM Toronto, Canada
- Yan Jenny Liu, NICTA, Australia
- Panagiotis Louridas, GRNET, Greece
- Heiko Ludwig, IBM Research, USA
- Hanan Lutfiyya, U. of Western Ontario, Canada
- Zakaria Maamar, Zayed U., UAE
- Piyush Maheshwari, Perot Systems, India
- E. Michael Maximilien, IBM Research, USA
- Hamid Reza Motahari Nezhad, U. of New South Wales, Australia
- Coral Calero Muñoz, U. Castilla-La Mancha, Spain
- Mourad Ouzzani, Purdue U., USA
- Hye-young Helen Paik, U. of New South Wales, Australia
- Pierluigi Plebani, Politecnico di Milano, Italy
- Aiko Pras, U. of Twente, The Netherlands
- Dick A.C. Quartel, Telematica Instituut, The Netherlands
- Claudia Raibulet, U. of Milano-Bicocca, Italy
- Omer F. Rana, Cardiff U., UK
- Dumitru Roman, STI / University of Innsbruck, Austria
- David Ruiz Cortés, U. de Sevilla, Spain
- Akhil Sahai, VMware, USA
- Regis Saint-Paul, CREATE-NET, Italy
- Stefan Tai, KIT and U. of Karlsruhe, Germany
- Yazhe Tang, Xi'an Jiaotong U., China
- Farouk Toumani, U. Blaise Pascal, France
- Kunal Verma, Accenture Technology Labs, USA
- Chunyang Ye, HKUST, Hong Kong
- George Yee, National Research Council of Canada and Carleton U., Canada
- Jim Webber, ThoughtWorks, UK
- Wenbing Zhao, Cleveland State U., USA
- Liming Zhu, NICTA, Australia