
CALL FOR PAPERS

Third International Workshop SMR2-2009 on
Service Matchmaking and Resource Retrieval in the Semantic Web

October 25, 2009

@ 8th International Semantic Web Conference (ISWC)
Washington D.C., USA

<http://www.dfki.de/~klusch/smr2-09/>

Aims & Scope:

One central challenge of service coordination in the Semantic Web is how to best relate requests for services with the services that are available. This functionality is usually provided by matchmaking capabilities (which may themselves be deployed as services, brokers or middle agents) that select the services that are closest to a requested service on the basis of a declarative characterization of the capabilities of both service requested and services provided.

More generally, resource retrieval extends the notion of service matchmaking to the process of discovering any kind of resource (services, data, information, knowledge, even persons and organizations) for given settings, participating entities, and purposes. It is at the core of several scenarios in the Semantic Web area, spanning from Web services, Grid computing, and Peer-to-Peer computing, to applications such as e-commerce, human resource management, and social networking applications such as dating services.

The primary objective of this workshop is to bring together academic and industry researchers and industry practitioners who tackle semantic service matchmaking and discovery from various points of view. In particular, we intend to build bridges to the software engineering and model-driven development communities in order to share requirements, technologies, and experiences that might be helpful in advancing the state of the art in semantic service matchmaking and resource retrieval.

Going to Practice: The Third International Semantic Service Selection (S3) Contest

The SMR2 workshop also integrates the third edition of the open international contest on semantic service selection (S3). The international S3 contest on semantic service selection provides means and forum for the joint and comparative evaluation of the retrieval performance (recall/precision, F1, AQRT, etc) of publicly available Semantic Web service matchmakers over given public test collections.

Publication:

Accepted papers will be available online as a volume of CEUR proceedings. In addition, selected papers will be published in a special issue of the International Journal on Software Tools for Technology Transfer (STTT, Springer Publisher).

Topics of interest include (but are not limited to):

- * Advanced searching of services and other resources in the Semantic Web
- * Novel approaches to matchmaking and brokering in the Semantic Web, with a particular emphasis on Semantic Web services
- * Model-driven semantic service engineering and matchmaking
- * Semantic retrieval of resources and services in P2P and Grid networks
- * Matchmaking in e-commerce scenarios: auctions, e-marketplaces, supply chains
- * Matchmaking in other application scenarios: e-government, biopharma, etc.
- * Composition planning of Semantic Web services

- * Negotiation of Semantic Web services and resources
- * Interleaving of discovery, composition, and negotiation of Semantic Web services
- * Semantic Web services selection
- * Formal description and handling of Semantic Web services, queries, and resources
- * Non-functional service properties and their use for discovery (and composition)
- * Trust issues of Semantic Web service discovery
- * Prototypes and tools for Semantic Web services engineering
- * Practical business and user-oriented issues and experiences of implementing SW service retrieval tools
- * Experimental comparative evaluation of implemented SW service retrieval tools

Submission:

Contributions to the workshop can be made as technical papers addressing different issues of service and resource matching.

The papers should not be longer than 15 pages using the LNCS Style:
<http://www.springeronline.com/sgw/cda/frontpage/0,11855,5-164-2-72376-0,00.html>

All contributions should be prepared in PDF format and should be submitted

through the workshop submission site at: <http://www.easychair.org/conferences/?conf=smr22009>

Important Dates:

August 24, 2009: Extended deadline for submission of papers.

September 10, 2009: Notification of acceptance/rejection.

October 2, 2009: Camera ready copy submission.

October 25, 2009: OM-2009, Westfields Conference Center, Fairfax, near Washington DC., USA.

Organizing Committee:

Alain Léger (France Telecom Research, France)
 Tiziana Margaria (University of Potsdam, Germany)
 David Martin (SRI International, USA)
 Massimo Paolucci (NTT DoCoMo Research Europe, Germany)
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