



First International Joint Workshop SMR<sup>2</sup> 2007 on

## Service Matchmaking and Resource Retrieval in the Semantic Web

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

November 11, 2007 Busan, South Korea

Co-located with the 6th International Semantic Web 2007 Conference - ISWC 2007

### *Aims & Scope*

One challenge of service coordination in the semantic Web is concerned with how to best connect the ultimate service requester with the ultimate service provider? Like intermediaries in the physical economy, a special kind of software agents, so called middle-agents, is supposed to solve this problem based on the declarative characterization of the capabilities of both service requester and provider agents. In fact, the standard Web service interaction life cycle corresponds to the classical service matchmaking process.

More generally, resource retrieval extends the notion of service matchmaking to the process of discovering any kind of resource (services, data, information, knowledge) 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, or social networks applications such as mating and dating services.

The SMR<sup>2</sup> workshop provides a forum for promoting, presenting, and discussing the latest scientific advances on semantic Web service and resource retrieval; and Establishing and fostering cross-disciplinary relations between relevant parties in research and/or business for the purpose of joint work on solutions to relevant problems in the domain.

For this workshop the organizing committees of both previous high quality workshops *SMR* (Semantic Matchmaking and Resource Retrieval) and *SDISCO* (Service Discovery on the WWW) are joining forces together with the *S3 contest initiative*.

### *Topics of interest*

- Advanced searching of services and other resources in the semantic Web
- Approaches to matchmaking and brokering in the semantic Web, with particular emphasis on semantic web services
- Semantic retrieval of resources and services in P2P and Grid networks
- Matchmaking in e-commerce scenarios: auctions, e-marketplaces, supply chain
- Composition planning of semantic Web services
- Negotiation of semantic Web services and resources

- Interleaving of discovery, composition, and negotiation of semantic Web services
- 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 and user-oriented issues and experiences of implementing semantic Web service retrieval
- Experimental comparative evaluation of implemented SW service retrieval tools

Post-proceedings of the workshop planned to be published by Springer as LNAI series volume.

### *Going to Practice:*

#### *1<sup>st</sup> Semantic Service Selection Contest*

This year, the SMR<sup>2</sup> workshop also integrates the first edition of the open international contest on semantic service selection (S3). More information on the contest are available at

<http://www.dfki.de/~klusch/s3/>

### *Important Dates*

Submission deadline: July 27, 2007

Authors notification: August 24, 2007

Camera-ready due: September 7, 2007

### *Joint Organization Committee*

Abraham Bernstein (U Zurich, Switzerland)  
Tommaso Di Noia (TU Bari, Italy)  
Takahiro Kawamura (Toshiba Research, Japan)  
Matthias Klusch (DFKI, Germany)  
Ruben Lara (AFI, Spain)  
Alain Leger (France Telecom Research, France)  
David Martin (SRI International, USA)  
Massimo Paolucci (NTT DoCoMo Research, Germany)  
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