



2007: OWL-S Service Matchmakers

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S3 Organisation for 2007

- Initiative planned @ISWC 2006 conference, supported by DFKI SAB
- Open call for entries
 - Via SMR2 workshop CFPs and Web site
 - Via S3 Web site: <u>http://wwwdfki.de/~klusch/s3/</u>
 - Entry: OWL-S matchmaker binary + Implementation of plug-in interface of the testing environment (SME2 toolkit)
- Evaluated candidates
 - OWLS-iMatcher (U Zurich, CH) non-logic based
 - OWLS-MX (DFKI, D) hybrid
 - OWLSM (TU Berlin, D) logic based
- Testing bases on OWL-S retrieval test collection OWLS-TC 2.2
 - 1,004 OWL-S 1.1 services (*not* randomly generated but handcrafted)
 - 29 queries, 23 ontologies referenced

Results





Results (2)





ISWC-SMR2 2007

Discussion@S3



- Results did strongly depend on test collection OWLS-TC2
 - OWLS-TC2 is far from being in a "quasi-standard" form like TREC
 - Reported performance results are preliminary and indicating only
- No upload of revised/extended OWLS-TC, or OWL-S matchmakers by community @semwebcentral.org yet despite strong download numbers (OWLS-MX and OWLS-UDDI client ranked 5th, resp., 3rd).
- Recent announcement of SAWSDL as standard by W3C
 - Triggered work on refactoring OWL-S to SAWSDL (Martin & Paolucci, 07)
 - Major investments on OWL-S software not considered lost still

Outlook on S3 in 2008



- Targeted evaluation of WSML and SAWSDL matchmakers
- Requires service retrieval test collections for WSML and SAWSDL
 - Initial work on SAWSDL-TC 1.0 @DFKI ongoing
 - Initial work on WSML-TC1 @HPI, DFKI ongoing
 - TCs available for JOINT EFFORT at SWS-TC Wiki (upload/download)

www-ags.dfki.uni-sb.de/swstc-wiki/index.php/Main_Page

- Ongoing: DBMS (created by U Jena) to be linked with SWS-TC wiki
- Open call for S3 entries

www.dfki.de/~klusch/s3/

