Announcing... SILK

Hyper Logic Programs KR:
Semantic Web Rules with Defaults, Higher-Order, and Scalability

Catch the ICLP-2009 technical talk on Fri. 7/17 4:25pm,
and the CULP-2009 overview talk on Thurs. 7/16 3:05pm
presented by Benjamin Grosof, Vulcan Inc.

• A knowledge representation (KR) system: reasoner, language, UI, interchange.
• A new, highly ambitious effort by Vulcan Inc., which also develops Semantic MediaWiki+ and venture invests in semantic technology. Multi-institutional.
• Addresses fundamental requirements for scaling Semantic Web to widely-authored Very Large KBs in business and science that answer questions, proactively supply info, and reason powerfully.
• Radically extends the KR power of W3C OWL, SPARQL, and RIF — and of SQL
  • Defaults and robust conflict handling — cope with knowledge quality and context
  • Higher-order and flexible meta-reasoning — elevate meta-data to meta-knowledge
  • Actions and events, cf. production rules and process models — activate knowledge
• Use cases in business policies, ontology mapping, e-commerce, biomed.
• Redefining the KR playing field for semantic web, business rules, and rule-based process management.

How You can be Involved:
• In ~ fall 2009: try SILK software; comment on SILK language design

http://silk.semwebcentral.org