



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 Grosf, 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>

