

Table of Contents

Invited Talks

Semantic Web Rules: Covering the Use Cases	1
<i>Mike Dean</i>	
Combining Rule and Ontology Reasoners for the Semantic Web	6
<i>Christine Golbreich</i>	

Regular Papers

A System for Nonmonotonic Rules on the Web	23
<i>G. Antoniou, A. Bikakis, G. Wagner</i>	
Rule Learning for Feature Values Extraction from HTML Product Information Sheets	37
<i>Costin Bădică, Amelia Bădică</i>	
A Defeasible Logic Reasoner for the Semantic Web	49
<i>Nick Bassiliades, Grigoris Antoniou, Ioannis Vlahavas</i>	
R-DEVICE: A Deductive RDF Rule Language	65
<i>Nick Bassiliades, Ioannis Vlahavas</i>	
Well-Founded Semantics for Description Logic Programs in the Semantic Web	81
<i>Thomas Eiter, Thomas Lukasiewicz, Roman Schindlauer, Hans Tompits</i>	
Defeasible Description Logics	98
<i>Guido Governatori</i>	
Semantic Web Reasoning with Conceptual Logic Programs	113
<i>Stijn Heymans, Davy Van Nieuwenborgh, Dirk Vermeir</i>	
Bossam: An Extended Rule Engine for OWL Inferencing	128
<i>Minsu Jang, Joo-Chan Sohn</i>	
Extending SWRL to Express Fully-Quantified Constraints	139
<i>Craig McKenzie, Peter Gray, Alun Preece</i>	
An Extension to OWL with General Rules	155
<i>Jing Mei, Shengping Liu, Anbu Yue, Zuoquan Lin</i>	

Combining Description Logic and Defeasible Logic for the Semantic Web	170
<i>Kewen Wang, David Billington, Jeff Blee, Grigoris Antoniou</i>	

Short Tool Presentations

Rewrite Rules as Service Integrators	182
<i>Jing-Ying Chen</i>	
SweetProlog: A System to Integrate Ontologies and Rules	188
<i>Loredana Laera, Valentina Tamma, Trevor Bench-Capon, Giovanni Semeraro</i>	
SWRLp: An XML-Based SWRL Presentation Syntax	194
<i>Christopher J. Matheus</i>	
XET as a Rule Language for Consistency Maintenance in UML	200
<i>Nimit Pattanasri, Vilas Wuwongse, Kiyoshi Akama</i>	
A System for Automated Agent Negotiation with Defeasible Logic-Based Strategies – Preliminary Report	205
<i>Thomas Skylogiannis, Grigoris Antoniou, Nick Bassiliades</i>	
Author Index	215

Rules and Rule Markup Languages for the Semantic
Web

Third International Workshop, RuleML 2004, Hiroshima,
Japan, November 8, 2004, Proceedings

Antoniou, G.; Boley, H. (Eds.)

2004, VII, 217 p., Softcover

ISBN: 978-3-540-23842-3