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| Nota di contenuto | Object-Oriented RuleML: User-Level Roles, URI-Grounded Clauses, and Order-Sorted Terms -- An Entailment Relation for Reasoning on the Web -- A Rule-Based XML Access Control Model -- Inference of Reactive Rules from Dependency Models -- Value-Added Metatagging: Ontology and Rule Based Methods for Smarter Metadata -- Constructing RuleML-Based Domain Theories on Top of OWL Ontologies -- Inheritance and Rules in Object-Oriented Semantic Web Languages -- Rules and Defeasible Reasoning on the Semantic Web -- Inference Queues for Communicating and Monitoring Declarative |

Information between Web Services -- Combining an Inference Engine with Databases: A Rule Server -- Extraction of Structured Rules from Web Pages and Maintenance of Mutual Consistency: XRML Approach -- RuleML Annotation for Automatic Collection Levels on METS Metadata.

Sommario/riassunto

RuleML 2003 was the second international workshop on rules and rule markup languages for the Semantic Web, held in conjunction with the International Semantic Web Conference (ISWC). The aim of the RuleML workshop series is to stimulate research on all issues related to web rule languages and to provide an annual forum for presenting and discussing new research results. The Semantic Web is a major world-wide endeavor to advance the Web by enriching its multimedia document content with propositional information that can be processed by inference-enabled Web applications. Rules and rule markup languages, such as RuleML, will play an important role in the success of the Semantic Web. Rules will act as a means to draw inferences, to express constraints, to specify policies for reacting to events, to transform data, etc. Rule markup languages will allow us to enrich Web ontologies by adding definitions of derived concepts, to publish rules on the Web, to exchange rules between different systems and tools, etc. RuleML 2003 built on the success of RuleML 2002, which was held in conjunction with ISWC 2002, Sardinia, Italy. The proceedings of RuleML 2002 can be found at <http://www.ceur-ws.org/Vol-60/>. Special highlights of the RuleML 2003 workshop were the two invited presentations given by Peter Chenon "Rules, XML, and the ER Model" and by Harold Boley on "Object-Oriented RuleML: User-Level Roles, URI-Grounded Clauses, and Order-Sorted Terms". This proceedings volume also contains an invited paper by Francois Bry and Sebastian Schaert on "An Entailment Relation for Reasoning on the Web".
