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Nota di contenuto	Invited Papers -- How Ontologies and Rules Help to Advance Automobile Development -- Are Your Rules Online? Four Web Rule Essentials -- Session: Business Process, Policy and IT Service Management and Modeling -- KISS – Knowledge-Intensive Service Support: An Approach for Agile Process Management -- Specifying Process-Aware Access Control Rules in SBVR -- A Rule-Based Approach to Prioritization of IT Work Requests Maximizing Net Benefit to the Business -- Session: Rule Languages and Interchange Standards -- A Generic Module System for Web Rule Languages: Divide and Rule -- Towards Semantically Grounded Decision Rules Using ORM?+? -- Towards Ontological Commitments with ?-RIDL Markup Language -- Session: Business Rules, Rule Engines and Applications -- Recovering Business Rules from Legacy Source Code for System Modernization -- An Approach for Bridging the Gap Between Business Rules and the Semantic Web -- Take - A Rule Compiler for Derivation Rules -- Session: RuleML-2007 Challenge -- The OO jDREW Engine of Rule Responder: Naf Hornlog RuleML Query Answering -- Querying the

Semantic Web with SWRL -- Implementation of Production Rules for a RIF Dialect: A MISMO Proof-of-Concept for Loan Rates -- Session: Rules, Reasoning, and Ontologies -- Adapting the Rete-Algorithm to Evaluate F-Logic Rules -- Rule Definition for Managing Ontology Development -- Integrating Rules and Description Logics with Circumscription for the Semantic Web -- XML Data Compatibility from the Ground Up -- Session: Reaction Rules and Rule Applications -- Exploiting E-C-A Rules for Defining and Processing Context-Aware Push Messages -- The Use of Ontologies and Rules to Assist in Academic Advising -- Towards Knowledge Extraction from Weblogs and Rule-Based Semantic Querying -- Complex Information Management Using a Framework Supported by ECA Rules in XML -- AIM: An XML-Based ECA Rule Language for Supporting a Framework for Managing Complex Information.

Sommario/riassunto

The International Symposium on Rule Interchange and Applications (RuleML-2007), collocated in Orlando, Florida, with the Tenth International Business Rules Forum, was the first symposium devoted to work on practical distributed rule technologies and rule-based applications which need language standards for rules operating in the context of modern infrastructures, including the Semantic Web, intelligent multi-agent systems, event-driven architectures, and service-oriented computing applications. The symposium was organized by the RuleML Initiative, financially and technically supported by industrial companies (Top Logic, VIStology, and Inferware) and in cooperation with professional societies (ECCAI, AAAI, ACM, ACM SIGAPP, ACM SIGMIS, ACM SIGART, ACM SIGMOD, IEEE, IEEE Computer TCAAS, IEEE SMCS, BPM-Forum, W3C, OMG, and OASIS). The RuleML Initiative is organized by representatives from academia, industry and government for the advancement of rule technology, providing enhanced usability, scalability and performance. The goal of RuleML (www. ruleml. org) is to develop an open, general, XML-based family of rule languages as intermediaries between various ‘specialized’ rule vendors, applications, industrial and academic research groups, as well as standardization efforts such as OMG’s PRR or W3C’s RIF. A general advantage of using declarative rules is that they can be easily represented in a machine-readable and platform-independent manner, often governed by an XML schema. This fits well into today’s distributed, heterogeneous Web-based system environments. Rules represented in standardized Web formats can be discovered, interchanged and invoked at runtime within and across Web systems, and can be interpreted and executed on any platform.