Table of Contents

Keynote Speakers (Abstracts)	
Bringing Order to Chaos: RIF as the New Standard for Rule Interchange	1
Why Rules Matter in Complex Event Processing and Vice Versa Paul Vincent	2
Terminology: The Semantic Foundation for an Organizations Executable Rules	3
Rule Systems on the Web	
Challenges for Rule Systems on the Web	4
A Modest Proposal to Enable RIF Dialects with Limited Forward Compatibility	17
RIF RuleML Rosetta Ring: Round-Tripping the Dlex Subset of Datalog RuleML and RIF-Core	29
WellnessRules: A Web 3.0 Case Study in RuleML-Based Prolog-N3 Profile Interoperation	43
Rule-Based Event Processing and Reaction Rules	
Rule-Based Event Processing and Reaction Rules	53
Correlating Business Events for Event-Triggered Rules	67
Semantic Rule-Based Complex Event Processing	82



General Rule Topics

Generation of Rules from Ontologies for High-Level Scene	O.C
Interpretation	93
RBDT-1: A New Rule-Based Decision Tree Generation Technique	108
Process Materialization Using Templates and Rules to Design Flexible Process Models	122
Rule Transformation and Extraction	
Introduction to "Rule Transformation and Extraction" Track	137
An SBVR Framework for RESTful Web Applications	144
Towards an Improvement of Software Development Processes through Standard Business Rules	159
A Rule-Based System Implementing a Method for Translating FOL Formulas into NL Sentences	167
An Empirical Study of Unsupervised Rule Set Extraction of Clustered Categorical Data Using a Simulated Bee Colony Algorithm	182
Transformation of Graphical ECA Policies into Executable PonderTalk Code	193
Session 6	
A Rule-Based Approach to Match Structural Patterns with Business Process Models	208
Usage of the Jess Engine, Rules and Ontology to Query a Relational Database	216

Table of Contents	ΧV
An XML-Based Manipulation and Query Language for Rule-Based Information	231
Exploration of SWRL Rule Bases through Visualization, Paraphrasing, and Categorization of Rules	246
TomML: A Rule Language for Structured Data	262
Geospatial-Enabled RuleML in a Study on Querying Respiratory Disease Information	272
Session 7	
Rules and Norms: Requirements for Rule Interchange Languages in the Legal Domain	282
A Java Implementation of Temporal Defeasible Logic	297
Fill the Gap in the Legal Knowledge Modelling	305
The Making of SPINdle	315
Session 8	
Approaches to Uncertain or Imprecise Rules - A Survey	323
Fuzzy Reasoning with a Rete-OO Rule Engine	337
Towards Modelling Defeasible Reasoning with Imperfection in Production Rule Systems	345
Author Index	353