

5th International Web Rule Symposium: Research Based and Industry Focused
July 19-21, 2011, Avinguda Diagonal, 1 08019 Barcelona

Day 1: Tuesday, July 19th, 2011

08:30 – 09:15	Registration	
09:15 – 09:30	Chairs' Opening Address	
09:30 – 10:30	Keynote: An Overview of the CIAO System <i>Manuel Hermenegildo (Technical University of Madrid)</i>	<i>Chair: Nick Bassiliades</i>
10:30 – 11:00		Break
	Rules and Uncertainty	<i>Chair: Gines Moreno Valverde</i>
11:00 – 11:30	Declarative Traces Into Fuzzy Computed Answers <i>Pedro J. Morcillo, Ginés Moreno, Jaime Penabad, and Carlos Vázquez</i>	
11:30 – 11:50	A Flexible XPath based Query Language implemented with Fuzzy Logic Programming <i>Jesus Almendros, Alejandro Luna Tedesqui and Gines Moreno</i>	
11:50 – 13:25	Lunch	
	Doctoral Consortium Download Doctoral Consortium Pre-Proceedings at http://www.defeasible.org/ruleml2011jcai/files/proceedings.pdf	
13:25-13:30	Doctoral Consortium Opening; (track introduction) <i>Chair: Carlos Viegas Damásio</i>	
13:30 – 14:00	Advancing Multi-Context Systems by Inconsistency Management <i>Antonius Weinzierl</i>	
14:00 – 14:30	Rule-based query answering method for a knowledge base of economic crimes <i>Jaroslav Bak</i>	
14:30 – 15:00	Rule-Based Semantic Sensing <i>Przemysław Woznowski</i>	
15:00 – 15:30	Why (and How) Extend Commitment Protocols with Temporal Regulations <i>Elisa Marengo</i>	
15:30 – 16:00	Break	
	Rules and Reasoning I	<i>Chair: Manuel Hermenegildo</i>
16:00 – 16:30	Modularity in the Rule Interchange Format <i>Carlos Viegas Damásio, Anastasia Analyti and Grigoris Antoniou</i>	
16:30 – 17:00	Algorithms for Rule Inference in Modularized Rule Bases <i>Grzegorz J. Nalepa, Szymon Bobek, Antoni Ligeza and Krzysztof Kaczor</i>	
17:00 – 17:30	Overview of Knowledge Formalization with XTT2 Rules <i>Grzegorz J. Nalepa, Antoni Ligeza and Krzysztof Kaczor</i>	
17:30 – 17:50	Semantic-ontological combination of Business Rules and Business Processes in IT Service Management <i>Alexander Sellner, Christopher Schwarz and Erwin Zinser</i>	

RuleML 2010: 4th International Web Rule Symposium

October 21-23, 2010, Hilton Alexandria Mark Center, Alexandria, VA, USA

Day 2: Wednesday, July 20, 2011

08:30 – 09:00	Registration	
9:00 – 10:00	Keynote: Rule-Based Activity Recognition in Ambient Intelligence <i>Grigoris Antoniou (University of Crete)</i>	<i>Chair: Jürgen Dix</i>
10:00 – 10:30	Break	
	Rule-Based Distributed/Multi-Agent Systems	<i>Chair: Leon van der Torre</i>
10:30 – 10:50	Rule-based Distributed and Agent Systems (track introduction) <i>Costin Badica, Lars Braubach and Adrian Paschke</i>	
10:50 – 11:20	Extending a Multi-agent Reasoning Interoperability Framework with Services for the Semantic Web Logic and Proof Layers <i>Kalliopi Kravari, Konstantinos Papatheodorou, Grigoris Antoniou and Nick Bassiliades</i>	
11:20 – 11:40	Cross-Community Interoperation Between the EMERALD and Rule Responder Multi-Agent Systems <i>Kalliopi Kravari, Taylor Osmun, Harold Boley and Nick Bassiliades</i>	
	Rules and Reasoning II	<i>Chair: Leon van der Torre</i>
11:40 – 12:00	HalVA - Rule Analysis Framework for XTT2 Rules <i>Grzegorz J. Nalepa, Szymon Bobek, Antoni Ligeza and Krzysztof Kaczor</i>	
12:00 – 13:30	Lunch	
	Rule-based Event Processing and Reaction Rules	<i>Chair: Monica Nogueira</i>
13:30 – 13:50	On Complex Event Processing for real-time situational awareness (track introduction) <i>Nenad Stojanovic and Alexander Artikis</i>	
13:50 – 14:20	Retractable Complex Event Processing and Stream Reasoning <i>Darko Anicic, Sebastian Rudolph, Paul Fodor and Nenad Stojanovic</i>	
14:20 – 14:50	Entity-Based State Management for Complex Event Processing Applications <i>Hannes Obweger, Josef Schiefer, Martin Suntinger and Robert Thullner</i>	
14:50 – 15:20	A Declarative Framework for Matching Iterative and Aggregative Patterns against Event Streams <i>Darko Anicic, Sebastian Rudolph, Paul Fodor and Nenad Stojanovic</i>	
15:20 – 15:40	Break	
	Rules, Agents and Norms	<i>Chair: Harold Boley</i>
15:40 – 16:00	Rules, Agents and Norms: Guidelines for Rule-based Normative Multi-agent Systems (track introduction) <i>Antonino Rotolo and Leon Van Der Torre</i>	
16:00 – 16:30	Integrating written policies in Business Rule Management Systems <i>Adeline Nazarenko, Abdoulaye Guissé, François Lévy, Nouha Omrane and Sylvie Szulman</i>	
16:30 – 17:00	A dynamic metalogic argumentation framework implementation <i>Jenny Eriksson Lundström, Giacomo Aceto and Andreas Hamfelt</i>	
17:00 – 17:30	Rule-based agents, compliance, and intention reconsideration in defeasible logic <i>Antonino Rotolo</i>	
17:30 – 18:00	Conditional Learning of Rules and Plans by Knowledge Exchange in Logical Agents <i>Stefania Costantini, Pierangelo Dell'Acqua and Luís Moniz Pereira</i>	

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19:30 – 21:30 **Joint RuleML & IJCAI Conference dinner**
(for more information please see <http://ijcai-11.iiia.csic.es/program/banquet>)

Day 3: Thursday, July 21, 2011

09:30 – 10:00 Registration

Rule-based Applications

Chair: Grigoris Antoniou

10:00 – 10:30 Rewriting Queries for Web Searches That Use Local Expressions
Rolf Grütter, Iris Helming, Simon Speich and Abraham Bernstein

10:30 – 10:50 Implementing General Purpose Applications with the Rule-based Approach
Igor Wojnicki and Antoni Ligęza

10:50 – 11:10 OWL Web Ontology Language as a Scripting Language for Smart Space Applications
Espen Suenson, Johan Lilius and Ivan Porres

11:10 – 11:30 Rule-Based Complex Event Processing for Food Safety and Public Health
Monica Nogueira and Noel Greis

11:30 – 12:00 Break

Rules and the Semantic Web

Chair: François Lévy

12:00 – 12:30 A RIF-Style Semantics for RuleML-Integrated Positional-Slotted, Object-Applicative Rules
Harold Boley

12:30 – 13:00 COROR: A COMposable Rule-entailment Owl Reasoner for Resource-Constrained Devices
Wei Tai, John Keeney and D O'Sullivan

13:00 – 13:30 Rule-Based Trust Assessment on the Semantic Web
Ian Jacobi, Lalana Kagal and Ankesh Khandelwal

13:30 – 13:50 SOWL: A Framework for Handling Spatio-Temporal Information in OWL 2.0
Sotiris Batsakis and Euripides Petrakis

13:50 – 15:00 Lunch

Rule Learning and Extraction

Chair: Alexander Artikis

15:00 – 15:30 A Framework for the Automatic Extraction of Rules from Online Text
Saeed Hassanpour, Martin O'Connor and Amar K. Das

15:30 – 16:00 Classification Rule Mining for A Stream of Perennial Objects
Zaigham Faraz Siddiqui and Myra Spiliopoulou

16:00 – 16:20 A Case for Learning Simpler Rule Sets with Multiobjective Evolutionary Algorithms
Adam Ghandar, Zbigniew Michalewicz and Ralf Zurbruegg

16:20 – 17:00 **Closing Session**

Chair: Adrian Paschke

Best Paper Award

Feedback on RuleML-2011@IJCAI and Input for RuleML-2011@BRF

17:00 – 18:30 RuleML Steering Committee Meeting
