

4th International Web Rule Symposium: Research Based and Industry Focused

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

Co-located with the 13th Business Rules Forum

Day 1: Thursday, October 21, 2010

08:00 – 08:30	Registration and continental breakfast
08:30 – 08:40	Chairs' Opening Address
08:40 – 09:40	Keynote: NIEM Canonical XML Dictionaries and Rule Engine Systems <i>David Webber (ACM)</i>
	Track: Rules and Uncertainty
09:40 – 10:20	A Practical Management of Fuzzy Truth-Degrees using FLOPER <i>Pedro J. Morcillo, Ginés Moreno, Jaime Penabad, and Carlos Vázquez (University of Castilla-La Mancha)</i>
10:20 – 11:00	A Rule-Based Implementation of Fuzzy Tableau Reasoning <i>Stefano Bragaglia, Federico Chesani, Paola Mello and Davide Sottara (University of Bologna)</i>
11:00 – 11:15	Break
	Track: Rule Transformation and Extraction
11:15 – 11:55	Generating SQL Queries from SBVR Rules <i>Sotiris Moschoyiannis, Alexandros Marinos and Paul Krause (University of Surrey)</i>
11:55 – 12:15	Representing Financial Reports on the Semantic Web: A Faithful Translation from XBRL to OWL <i>Jie Bao, Graham Rong, Xian Li and Li Ding (Rensselaer Polytechnic Institute)</i>
12:15 – 12:35	Transformation of SBVR Compliant Business Rules to Executable FCL Rules <i>Aqueo Kamada (CTI, Brazil), Guido Governatori (NICTA, Queensland Research Laboratory), Shazia Sadiq (University of Queensland)</i>
12:35 – 13:40	Lunch
	Boxed lunch panel session (joint with Business Rules Forum):
12:35 – 13:35	Rules on the Web – where are we now? <i>Moderator: John Hall (Model Systems)</i>
	Track: Rule-based Event Processing and Reaction Rules
13:40 – 14:20	Ensuring Compliance with Semantic Constraints in Process Adaptation with Rule-Based Event Processing <i>Akhil Kumar, Wen Yao, Chao-Hsien Chu and Zang Li (Penn State University)</i>
14:20 – 14:40	Establishing a Procedure Model for Combining and Synergistically Aligning Business Rules and Processes within Ontologies <i>Alexander Sellner (FH Joanneum University of Applied Sciences), Adrian Paschke (Free University Berlin) and Erwin Zinser (FH Joanneum University of Applied Sciences)</i>
	Track: Rules, Semantic Technology, and Cross-Industry Standards
14:40 – 15:20	RuleML 1.0: The Overarching Specification of Web Rules <i>Harold Boley (National Research Council of Canada), Adrian Paschke (Freie Universitaet Berlin), Omair Shaq (University of Calgary)</i> □

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15:20 – 15:40	Break + Exhibition Room: demo industry presentations
15:40 – 16:20	Invited technical presentation: How Far from Here to Object-oriented RIF? <i>Christian de Sainte Marie (IBM)</i>
Track: Rules and Inferencing	
16:20 – 17:00	Enhancing a Smart Space with Answer Set Programming <i>Vesa Luukkala and Ilkka Niemela (Nokia Research Center, Helsinki)</i>
17:00 – 17:40	Superiority Based Revision of Defeasible Theories <i>Guido Governatori (NICTA, Queensland Research Laboratory), Francesco Olivieri, Simone Scannapieco and Matteo Cristani (University of Verona)</i>
17:40 – 18:00	On the Problem of Computing Ambiguity Propagation and Well-Founded Semantics in Defeasible Logic <i>Ho-Pun Lam (University of Queensland), Guido Governatori (NICTA, Queensland Research Laboratory)</i>
18:00 – 18:30	Break
18:30 – 21:00	Meetup with Washington DC Semantic Web Meetup (WSWM) Group

Day 2: Friday, October 22, 2010

08:00 – 08:30	Registration and continental breakfast
08:30 – 08:40	Chairs: Introduction to the day, announcements
08:40 – 09:40	Keynote: Logical Spreadsheets <i>Michael Genesereth (Stanford University)</i>
Track: Rules and Norms	
09:40 – 10:20	Defining Access Control Rules with Conditions <i>Mark H. Linehan (IBM)</i>
10:20 – 10:40	Break
10:40 – 11:20	Norm Compliance in Business Process Modeling <i>Guido Governatori (NICTA, Queensland Research Laboratory), Antonino Rotolo (University of Bologna)</i>
11:20 – 12:00	Application of an Ontology-based and Rule-based Model to Selected Economic Crimes: Fraudulent Disbursement and Money Laundering <i>Jaroslav Bak, Czeslaw Jedrzejek and Maciej Falkowski (Poznan University of Technology)</i>
Special Session: Common Logic and RuleML	
12:00 – 12:40	Invited technical presentation: Common Logic <i>John Sowa</i>
12:40 – 13:40	Lunch
Special Session: Common Logic and RuleML, cont'd	
13:40 – 14:20	Invited technical presentation: How To Marry Common Logic with Rules and a Visual Query Builder to RuleML <i>Jans Aasman (Franz, Inc)</i>

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RuleML Challenge

14:20 – 14:40	RIF Production Rule Dialect (PRD) interoperability demonstration <i>Christian de Sainte Marie (IBM), Gary Hallmark (Oracle), Mark Proctor (Red Hat)</i>
14:40 – 15:00	The Rule Responder Distributed Reputation Management System for the Semantic Web <i>Adrian Paschke (Free University Berlin) and Rehab Alnemr (Hasso Plattner Institute)</i>
15:00 – 15:20	Demonstration of XML Validation Framework using OASIS CAM Approach <i>David Webber (OASIS CAM TC)</i>
15:20 – 15:40	Break
15:40 – 16:00	User-Defined Rules in a Distributed Address Book <i>Hannes Mühleisen and Adrian Paschke (Free University Berlin)</i>
16:00 – 16:20	Omni-directional Hyper Logic Programs in SILK and RIF <i>Benjamin Groszof (Vulcan Inc.), Carl Andersen (Raytheon BBN Technologies), Mike Dean (Raytheon BBN Technologies), and Michael Kifer (Stony Brook University)</i>
16:20 – 16:40	RIF-BLD Reasoning with IRIS <i>Daniel Winkler, Reto Kruppenacher and Adrian Marte (University of Innsbruck)</i>
16:40 – 17:00	Application of the SDL Library to Reveal Legal Sanctions for Crime Perpetrators in Selected Economic Crimes: Fraudulent Disbursement and Money Laundering <i>Maciej Falkowski, Jaroslaw Bak and Czeslaw Jedrzejek (Poznan University of Technology)</i>
17:00 – 17:20	An SBVR to SQL Compiler <i>Alexandros Marinos, Sotiris Moschoyiannis and Paul Krause (University of Surrey)</i>
17:20 – 17:40	SBVR based Business Contract and Business Rule IDE <i>Aqueo Kamada (CTI, Brazil), Guido Governatori (NICTA Australia) and Shazia Sadiq (University of Queensland)</i>
17:40 – 18:00	SEWEBAR-CMS: A System for Postprocessing Data Mining Models <i>Tomáš Klíegr, David Chudán, Andrej Hazucha and Jan Rauch (University of Economics, Prague)</i>
18:00 – 18:20	Visual Interfaces for the Development of Event-based Web Agents in the IRobot System <i>Liangyou Chen (ACM Member)</i>
18:20 – 18:40	A Common Interface for Multi-rule-engine Distributed Systems <i>Pierre de Leusse (AGH University of Science and Technology)</i>
18:40 – 19:30	Break
19:30 – 22:00	Conference dinner

Day 3: Saturday, October 23, 2010

08:00 – 08:30	Registration and continental breakfast
08:30 – 08:40	Chairs: Introduction to the day, announcements
08:40 – 09:40	Invited demonstration: Implementing SBVR with a Practitioner's Perspective <i>Donald Chapin (Business Semantics Ltd)</i>

Track: Rule-Based Distributed/Multi-Agent Systems

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- 09:40 – 10:20 A Contract Agreement Policy-based Workflow Methodology for Agents Interacting in the Semantic Web
Kalliopi Kravari, Grammati-Eirini Kastori and Nick Bassiliades (Aristotle University of Thessaloniki), Guido Governatori (NICTA, Queensland Research Laboratory)
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- 10:20 – 10:40 Break
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- 10:40 – 11:20 Photorealistic Semantic Web Service Groundings: Unifying RESTful and XML-RPC Groundings Using Rules, with an Application to Flickr
Dave Lambert and John Domingue (The Open University, UK)
- 11:20 – 11:40 Towards the Web of Models: A Rule-driven RESTful Architecture for Distributed Systems
Alexandros Marinos and Paul Krause (FEPS, University of Surrey)
- General Rule Topics**
- 11:40 – 12:00 Authoring Business Rules grounded in OWL Ontologies
Amina Chniti, Sylvain Dehors and Patrick Albert (IBM) and Jean Charlet (INSERM UMRS, Paris)
- 12:00 – 12:40 Visualizing Logical Dependencies in SWRL Rule Bases
Saeed Hassanpour, Martin J. O'Connor and Amar K. Das (Stanford Center for Biomedical Informatics Research)
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- 12:40 – 13:35 Lunch
- General Rule Topics, cont'd**
- 13:35 – 13:55 Realizing Integrated Service Delivery through a Language for Collective Understanding of Business Rules
Sietse Overbeek and Marijn Janssen (Delft University of Technology) and Patrick van Bommel (Radboud University Nijmegen)
- 13:55 – 14:35 An XML Format for Association Rule Models based on the GUHA Method
Tomáš Klieg and Jan Rauch (University of Economics, Prague)
- 14:35 – 15:15 **Invited demonstration:** Rule-based Composition and Mediation of Environmental Services
Dumitru Roman (SINTEF ICT)
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- 15:15 – 15:30 Break
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- 15:30 – 16:30 From the Front Line
Progress reports on web rules development projects
- 16:30 – 16:45 Conference review and close