

RuleML-2015 Program

Sat 1 Aug 2015

18:30 - 21:30 :	<i>Sightseeing Bus Tour (Begin)</i>	@Königin-Luise-Straße 24, Freie Universität Berlin, Königin-Luise-Straße 24, 14195 Berlin, Germany
	<i>Social pre-Event together with the Reasoning Web participants</i>	
21:30 - 21:30 :	<i>Sightseeing Bus Tour (End)</i>	@Prater Biergarten, Kastanienallee 7-9, 10435 Berlin

Sun 2 Aug 2015

08:30 - 09:00 :	Registration	
09:00 - 17:30 :	Tutorial Day	@Freie Universität Berlin, Computer Science Institute (Large Lecture Hall)
09:00 - 10:30 :	The TPTP World - Infrastructure for Automated Reasoning	@Freie Universität Berlin, Computer Science Institute (Large Lecture Hall)
	<i>Tutorial by Geoff Sutcliffe</i>	
10:30 - 11:00 :	<i>Coffee Break</i>	
11:00 - 12:30 :	PSOA RuleML: Integrated Object-Relational Data and Rules	@Freie Universität Berlin, Computer Science Institute (Large Lecture Hall)
	<i>Tutorial by Harold Boley</i>	

12:30 - 14:00 :	Lunch Break	
14:00 - 15:30 :	Powerful Practical Semantic Rules in Rulelog: Fundamentals and Recent Progress	@Freie Universität Berlin, Computer Science Institute (Large Lecture Hall)
	<i>Tutorial by Benjamin Groszof, Michael Kifer, Paul Fodor</i>	
15:30 - 16:00 :	Coffee Break	
16:00 - 17:30 :	Legal Norms Modelling with LegalRuleML (OASIS)	@Freie Universität Berlin, Computer Science Institute (Large Lecture Hall)
	<i>Tutorial by Tara Athan, Guido Governatori, Monica Palmirani, Adrian Paschke, Adam Wyner (Chaired by: Fariba Sadri)</i>	
17:30 - 18:00 :	OASIS Legal RuleML Face to Face Meeting	
19:30 - 22:30 :	Sightseeing Boat Tour (Begin)	@Anlegestelle Wannsee
22:30 - 22:30 :	Sightseeing Boat Tour (End)	@Reichstag Bldg, Friedrich-Ebert-Platz, 10557 Berlin, Germany

Mon 3 Aug 2015

08:30 - 09:00 :	Registration	
09:00 - 09:15 :	Welcome	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
09:15 - 10:30 :	Rule Learning Track:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard

		room)
	<i>Chair: Tomas Kliegr</i>	
09:15 - 09:30 :	Using Substitutive Itemset Mining Framework for Finding Synonymous Properties in Linked Data	
	<i>Mikolaj Morzy, Agnieszka Lawrynowicz and Mateusz Zozuliński</i>	
09:30 - 10:00 :	Rule Generalization Strategies in Incremental Learning of Disjunctive Concepts	
	<i>Stefano Ferilli, Andrea Paziienza and Floriana Esposito</i>	
10:00 - 10:30 :	Learning Characteristic Rules in Geographic Information Systems	
	<i>Ansaf Salleb-Aouissi, Christel Vrain and Daniel Cassard</i>	
10:30 - 11:00 :	Coffee Break	
11:00 - 13:00 :	Legal Rules Track:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Chair: Thomas Gordon</i>	
11:00 - 11:30 :	Input/Output STIT Logic for Normative Systems	
	<i>Xin Sun</i>	
11:30 - 12:00 :	Towards Formal Semantics for ODRL Policies	
	<i>Simon Steyskal and Axel Polleres</i>	
12:00 - 12:30 :	Representing Flexible Role-Based Access Control Policies Using Objects and Defeasible Reasoning	
	<i>Reza Basseada, Tiantian Gao, Michael Kifer, Steven Greenspan and Charley Chell</i>	
12:30 - 13:00 :	Explanation of Proofs of Regulatory (Non-)Compliance Using Semantic Vocabularies	
	<i>Sagar Sunkle, Deepali Kholkar and Vinay Kulkarni</i>	
13:00 - 14:00 :	Lunch	
14:00 - 15:00 :	Keynote: Thom Fruehwirth: Constraint Handling Rules - What Else?	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Chair: Harold Boley</i>	
15:00 - 18:00 :	General Track:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)

	<i>Chairs: Harold Boley (15:00-15:30), Jose Julio Alferes (16:00-18:00)</i>	
15:00 - 15:30 :	FOWLA, a Federated Architecture for Ontologies	
	<i>Tarcisio M. Farias, Ana Roxin and Christophe Nicolle</i>	
15:30 - 16:00 :	Coffee Break	
16:00 - 16:30 :	User Extensible System to Identify Problems in OWL Ontologies and SWRL Rules	
	<i>João Paulo Orlando, Mark A. Musen and Dilvan Moreira</i>	
16:30 - 17:00 :	Building a Hybrid Reactive Rule Engine for Relational and Graph reasoning	
	<i>Mario Fusco, Mark Proctor, Davide Sottara and István Ráth</i>	
17:00 - 17:30 :	Rule-based Exploration of Structured Data in the Browser	
	<i>Sudhir Agarwal, Abhijeet Mohapatra, Michael Genesereth and Harold Boley</i>	
17:30 - 18:00 :	API4KP Metamodel: a Meta-API for Hybrid Knowledge Platforms	
	<i>Tara Athan, Roy Bell, Elisa Kendall, Adrian Paschke and Davide Sottara</i>	
19:00 - 22:00 :	Reception at Botanic Gardens (10 mins walk)	@Botanic Garden

Tue 4 Aug 2015

09:00 - 12:00 :	Datalog+/- Track:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Chair: Georg Gottlob</i>	
09:00 - 09:30 :	Datalog Track Introduction	
	<i>Georg Gottlob, Giorgio Orsi, and Andreas Pieris: Consistency Checking of Re-Engineered UML Class Diagrams via Datalog+/- (Invited)</i>	
09:30 - 10:00 :	Graal: A Toolkit for Query Answering with Existential Rules	
	<i>Jean-François Baget, Michel Leclère, Marie-Laure Mugnier, Swan Rocher and Clément Sipieter</i>	
10:00 - 10:30 :	Binary Frontier-guarded ASP with Function Symbols	
	<i>Mantas Simkus</i>	
10:30 - 11:00 :	Coffee Break	
11:00 - 11:30 :	Ontology-Based Multidimensional Contexts with Applications to Quality Data Specification and Extraction	
	<i>Mostafa Milani and Leopoldo Bertossi</i>	
11:30 - 12:00 :	Existential rules and Bayesian Networks for Probabilistic Ontological Data Exchange	
	<i>Thomas Lukasiewicz, Maria Vanina Martinez, Livia Predoiu, Gerardo Ignacio Simari</i>	
12:00 - 13:00 :	Doctoral Consortium Presentations:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard

		room)
	<i>(in parallel at RuleML and RR) Chair: Grzegorz J. Nalepa</i>	
12:00 - 12:12 :	Multidimensional Ontologies for Contextual Quality Data Specification and Extraction	
	<i>Mostafa Milan</i>	
12:12 - 12:24 :	Seamless Cooperation of Java and Prolog for Rule-Based Software Development	
	<i>Ludwig Ostermayer</i>	
12:24 - 12:36 :	Genetic Programming for Design Grammar Rule Induction	
	<i>Julian R. Eichhoff and Dieter Roller</i>	
12:36 - 12:48 :	GROOLS: Reactive Graph Reasoning for Genome Annotation	
	<i>Jonathan Mercier and David Vallenet</i>	
12:48 - 13:00 :	A Rule-Based Language for Integrating Business Process and Business Rules	
	<i>Tuan Anh Pham and Nhan Le Thanh</i>	
13:00 - 14:00 :	Lunch (Doctoral Consortium Lunch)	@Seminaris Campus Hotel
14:00 - 15:30 :	General Track:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Chair: Michael Kifer</i>	
14:00 - 14:30 :	PSOA2Prolog: Object-Relational Rule Interoperation and Implementation by Translation from PSOA RuleML to ISO Prolog	
	<i>Gen Zou and Harold Boley</i>	
14:30 - 15:45 :	Poster teaser presentations of RR, RuleML and RW	@Freie Universität Berlin, Takustraße 7, 14195 Berlin (Lecture Hall of the Zuse Institut Berlin - ZIB)
	<i>Chairs: Marco Montali, Grzegorz J. Nalepa (in parallel to the RuleML main program sessions - List of posters can be found at: http://www.csw.inf.fu-berlin.de/ruleml2015/poster-session.html)</i>	
14:30 - 15:00 :	Semantics of Notation3 Logic: A solution for implicit quantification	
	<i>Doerthe Arndt, Ruben Verborgh, Jos De Roo, Hong Sun, Erik Mannens and Rik Van de Walle</i>	
15:00 - 15:30 :	Similarity-based Strict Equality in a Fully Integrated Fuzzy Logic Language	
	<i>Pascual Julian-Iranzo, Gines Moreno and Carlos Vázquez</i>	
15:30 - 15:50 :	Coffee Break (20 min)	
15:50 - 16:00 :	Walk to Keynote Location (University - 10 min)	
16:00 - 17:00 :	Joint Keynote: Michael Genesereth: The Herbrand Manifesto: Thinking Inside the Box	@Freie Universität

		Berlin, Takustraße 9, 14195 Berlin (Lecture Hall of the Computer Science Institute)
	<i>Chair: Adrian Paschke</i>	
17:00 - 19:30 :	Joint Poster Session including doctoral candidates and Semantic Web Meetup	@Freie Universität Berlin, Takustraße 9, 14195 Berlin (Greenhouse of the Computer Science Institute)
	<i>Drinks and Finger Food (List of posters can be found at: http://www.csw.inf.fu-berlin.de/ruleml2015/poster-session.html)</i>	
18:30 - 19:00 :	Business meeting with RR and RuleML	@Freie Universität Berlin, Takustraße 9, 14195 Berlin (Seminar Room SR006 of the Computer Science Institute)
	<i>Open to all</i>	
19:00 - 19:30 :	RuleML Steering Committee Face to Face Meeting	@Freie Universität Berlin, Takustraße 9, 14195 Berlin (Seminar Room SR006 of the Computer Science Institute)

Wed 5 Aug 2015

09:00 - 10:00 :	Rule Challenge main track: Rule modeling, rule authoring, rule engines and applications monitored:	@Seminaris Campus Hotel Berlin, Takustraße,
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		Berlin, Germany (Harvard room)
	<i>Chair: Adrian Giurca</i>	
09:00 - 09:10 :	Datalog+, RuleML and OWL 2:Formats and Translations for Existential Rules	
	<i>Jean-François Baget, Alain Gutierrez, Michel Leclère, Marie-Laure Mugnier, Swan Rocher and Clément Sipieter</i>	
09:10 - 09:20 :	EasyMiner/R: Web Interface for Rule Learning and Classification in R	
	<i>Stanislav Vojíš, Václav Zeman, Jaroslav Kuchař and Tomas Kliegr</i>	
09:20 - 09:30 :	Inferring on elements of crime based on an agent simulation of a street robbery	
	<i>Jakub Nowakowski, Czeslaw Jedrzejek and Jakub Dudkiewicz</i>	
09:30 - 09:40 :	Exchanging Data and Ontological Definitions in Multi-Agent-Contexts Systems	
	<i>Stefania Costantini and Giovanni De Gasperis</i>	
09:40 - 09:50 :	A Translator of Actor Prolog to Java	
	<i>Alexei Morozov, Alexander Polupanov and Olga Sushkova</i>	
09:50 - 10:00 :	PSOA RuleML Integration of Relational and Object-Centered Geospatial Data	
	<i>Gen Zou</i>	
10:00 - 10:30 :	RuleML-2015 Challenge special-topic track: Rule-based recommender systems for the web of data:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Chair: Tomas Kliegr</i>	
10:00 - 10:10 :	Augmenting a Feature Set of Movies Using Linked Open Data	
	<i>Jaroslav Kuchař</i>	
10:10 - 10:20 :	Towards Time-Aware Semantic enriched Recommender Systems for movies	
	<i>Marko Harasic, Pierre Ahrendt, Alexandru Todor and Adrian Paschke</i>	
10:20 - 10:30 :	Transformation and aggregation preprocessing for top-k recommendation GAP rules induction	
	<i>Marta Vomlelová, Michal Kopecky and Peter Vojtas</i>	
10:30 - 11:00 :	Coffee Break	
11:00 - 12:00 :	Invited Talk: Avigdor Gal: When Processes Rule Events	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Chair: Fariba Sadri</i>	
12:00 - 12:30 :	General Track: Compact representation of conditional probability for rule-based mobile context- aware systems	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Szymon Bobek and Grzegorz J. Nalepa</i>	
12:30 - 13:30 :	Lunch	
13:30 - 15:30 :	Complex Event Processing Track:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany

		(Harvard room)
	<i>Chair: Matthias Weidlich</i>	
13:30 - 14:00 :	Complex Event Processing Track Introduction	
	<i>Alexander Artikis and Matthias Weidlich: Distribution and Uncertainty in Complex Event Recognition (Invited)</i>	
14:00 - 14:30 :	Using PSL to Extend and Evaluate Event Ontologies	
	<i>Megan Katsumi and Michael Gruninger</i>	
14:30 - 15:00 :	Probabilistic Event Pattern Discovery	
	<i>Ahmad Hasan, Kia Teymorian and Adrian Paschke</i>	
15:00 - 15:30 :	How to combine event stream reasoning with transactions for the Semantic Web	
	<i>Ana Sofia Gomes and Jose Julio Alferes</i>	
15:30 - 16:00 :	Coffee Break	
16:00 - 18:00 :	Industry Track:	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany (Harvard room)
	<i>Chair: Dumitru Roman</i>	
16:00 - 16:15 :	Rule-based data transformations in electricity Smart Grids	
	<i>Rafael Santodomingo, Mathias Uslar, Jose Antonio Rodriguez-Mondejar and Miguel Angel Sanz-Bobi</i>	
16:15 - 16:30 :	Ontology reasoning using rules in an eHealth Context	
	<i>Dörthe Arndt, Ben De Meester, Pieter Bonte, Jeroen Schaballie, Jabran Bhatti, Wim Dereuddre, Ruben Verborgh, Femke Ongenae, Filip De Turck, Rik Van de Walle, and Erik Mannens</i>	
16:30 - 16:45 :	Norwegian State of Estate: A Reporting Service for the State-owned Properties in Norway	
	<i>Ling Shi, Bjørg E. Pettersen, Ivar Østhassel, Nikolay Nikolov, Arash Khorramhonarnama, Arne.J. Berre and Dumitru Roman</i>	
16:45 - 17:00 :	Automated Decision Support for Financial Regulatory/Policy Compliance, using Textual Rulelog	
	<i>Benjamin Grosóf, Janine Bloomfield, Paul Fodor, Michael Kifer, Isaac Grosóf, Miguel Calejo and Terrance Swift</i>	
17:00 - 18:00 :	Common Logic F2F in parallel in the FOMI room	
17:00 - 17:15 :	Rule-based approach to text generation in natural language Automated Text Markup Language (ATML3)	
	<i>Armin Bauer and Niki Hoedoro</i>	
17:15 - 17:25 :	CAPAS: A Service for Improving the Assignments of Common Agriculture Policy Funds to Farmers and Land Owners	
	<i>Mariano Navarro, Ramón Baiget, Jesús Estrada and Dumitru Roman</i>	
17:25 - 17:35 :	DataGraft (Announcement and Intro)	
	<i>Dumitru Roman</i>	
17:35 - 18:00 :	Discussions: Rule Technologies in Industry	
18:00 - 18:10 :	Awards and Closing	@Seminaris Campus Hotel Berlin, Takustraße, Berlin, Germany

		(Harvard room)
18:15 - 18:30 :	<i>Bus to conference dinner</i>	@Leaves at Seminaris Campus hotel
	<i>First bus</i>	
18:45 - 19:00 :	<i>Bus to conference dinner</i>	@Leaves at Seminaris Campus hotel
	<i>Second bus</i>	
19:15 - 19:30 :	<i>Bus to conference dinner</i>	@Leaves at Seminaris Campus hotel
	<i>Third (last) bus</i>	
19:30 - 23:00 :	<i>Conference Dinner at Fischerhuetten restaurant</i>	@Fischerhütte am Schlachtensee, Fischerhüttenstraße 136, 14163 Berlin
22:30 - 22:45 :	<i>Bus from Fischerhuetten to Seminaris hotel</i>	@Leaves from Fischerhütte am Schlachtensee
	<i>First bus</i>	
23:00 - 23:15 :	<i>Bus from Fischerhuetten to Seminaris hotel</i>	@Leaves from Fischerhütte am Schlachtensee
	<i>Second (last) bus</i>	