

# PROGRAMME

Wednesday, July 13				
9.00 – 10.05	Invited Talk	Heiner Stuckenschmidt	A Little Logic Goes a Long Way - Logical Reasoning in Web Data Integration and Ontology Learning	Session Chair: Riccardo Rosati
10.05 – 10.30	Oral Presentation	Jean Christoph Jung, Victor Gutierrez-Basulto, Carsten Lutz and Lutz Schröder	The Complexity of Probabilistic EL	
10.30 – 11.00	Coffee Break			
11.00 – 11.25	Oral Presentation	Stefan Borgwardt and Rafael Peñaloza	Fuzzy Ontologies over Lattices with T-norms	Session Chair: Frank Wolter
11.25 – 11.50	Oral Presentation	Franz Baader and Rafael Peñaloza	GCI's Make Reasoning in Fuzzy DL with the Product T-norm Undecidable	
11.50 – 12.15	Oral Presentation	Meghyn Bienvenu	First-Order Expressibility Results for Queries over Inconsistent DL-Lite Knowledge Bases	
12.15 – 12.40	Oral Presentation	Matthew Horridge, Samantha Bail, Bijan Parsia and Ulrike Sattler	The Cognitive Complexity of OWL Justifications	
12.40 – 12.45	Poster	Henrique Viana, João Alcântara and Ana Teresa Martins	Paraconsistent Rough Description Logic	
12.45 – 14.40	Lunch			
14.40 – 15.05	Oral Presentation	Rafael S. Gonçalves, Bijan Parsia and Uli Sattler	Analysing Multiple Versions of an Ontology: A Study of the NCI Thesaurus	Session Chair: Franz Baader
15.05 – 15.30	Oral Presentation	Pablo R. Fillottrani, Enrico Franconi and Sergio Tessaris	Ontology Design and Integration with ICOM 3.0 - Tool description and methodology	
15.30 – 15.55	Oral Presentation	Nadeschda Nikitina, Sebastian Rudolph and Birte Glimm	Reasoning-Supported Interactive Revision of Knowledge Bases	
15.55 – 16.00	Poster	Samantha Bail, Bijan Parsia and Ulrike Sattler	Extracting Finite Sets of Entailments from OWL Ontologies	
16.00 – 16.30	Coffee Break			
16.30 – 16.55	Oral Presentation	Nadeschda Nikitina	Forgetting in General EL Terminologies	Session Chair: Birte Glimm
16.55 – 17.20	Oral Presentation	Franz Baader, Nguyen Thanh Binh, Stefan Borgwardt and Barbara Morawska	Unification in the Description Logic EL without the Top Concept	
17.20 – 17.45	Oral Presentation	Carsten Lutz and Frank Wolter	Non-Uniform Data Complexity of Query Answering in Description Logics	
17.45 – 18.00	Poster	Stefan Scheglmann, Carsten Saathoff and Steffen Staab	On the Problem of Weighted Max-DL-SAT and its Application to Image Labeling	
	Poster	Fabiano Correa, Fabio Cozman and Jun Okamoto Jr.	Collective classification in semantic mapping with a probabilistic description logic	
	Poster	Marcelo Finger, Renata Wassermann and Fabio Cozman	Satisfiability in EL with sets of Probabilistic ABoxes	
	Poster	Milenko Mosurovic and Nenad Krdzavac	A Technique for Handling the Right Hand Side of Complex RIAs	
18.00 – 19.00	Opening Reception			
Thursday, July 14				
9.00 – 10.05	Invited Talk	Marcelo Arenas	Exchanging more than Complete Data	Session Chair: Ulrike Sattler
10.05 – 10.30	Oral Presentation	Marcelo Arenas, Elena Botoeva and Diego Calvanese	Knowledge Base Exchange	
10.30 – 11.00	Coffee Break			
11.00 – 11.25	Oral Presentation	Stanislav Kikot, Roman Kontchakov and Michael Zakharyashev	On Tractability of OBDA with OWL 2 QL	Session Chair: Peter Patel-Schneider
11.25 – 11.50	Oral Presentation	Georg Gottlob and Thomas Schwentick	Rewriting Ontological Queries into Small Nonrecursive Datalog Programs	
11.50 – 12.15	Oral Presentation	Mariano Rodriguez-Muro and Diego Calvanese	Dependencies to Optimize Ontology Based Data Access	
12.15 – 12.40	Oral Presentation	Alessandro Artale, Yazmin Angelica Ibanez-Garcia and Vladislav Ryzhikov	DL-Lite with Attributes and Sub-Roles (Extended Abstract)	
12.40 – 12.45	Poster	Enrico Franconi, Paolo Guagliardo, Marco Trevisan and Sergio Tessaris	Quelo: an ontology-driven query interface	
12.45 – 14.40	Lunch			
14.40 – 15.05	Oral Presentation	Maurizio Lenzerini and Domenico Fabio Savo	On the evolution of the instance level of DL-Lite knowledge bases	Session Chair: Carsten Lutz
15.05 – 15.30	Oral Presentation	Evgeny Kharlamov and Dmitriy Zheleznyakov	On Prototypes for Winslet's Semantics of DL-Lite ABox Evolution	
15.30 – 15.55	Oral Presentation	Giulia Masotti, Riccardo Rosati and Marco Ruzzi	Practical ABox cleaning in DL-Lite (progress report)	
15.55 – 16.00	Poster	Alexandros Chortaras, Despoina Trivela and Giorgos Stamou	Goal-oriented Query Rewriting for OWL 2 QL	
16.00 – 16.30	Coffee Break			
16.30 – 16.55	Oral Presentation	Babak Bagheri Hariri, Diego Calvanese, Giuseppe De Giacomo and Riccardo De Masellis	Verification of Conjunctive-Query Based Semantic Artifacts	Session Chair: Enrico Franconi
16.55 – 17.20	Oral Presentation	Diego Calvanese, Magdalena Ortiz, Mantas Simkus and Giorgio Stefanoni	The Complexity of Conjunctive Query Abduction in DL-Lite	
17.20 – 17.45	Oral Presentation	Boris Konev, Roman Kontchakov, Michel Ludwig, Thomas Schneider, Frank Wolter and Michael Zakharyashev	Module Extraction via Query Inseparability in OWL2QL	
17.45 – 18.00	Poster	Riku Nortje, Arina Britz and Thomas Meyer	Bidirectional reachability-based modules	
	Poster	Chiara Del Vesovo	The Modular Structure of an Ontology: Atomic Decomposition with Labels	
	Poster	Henson Graves	Structural Models in Axiomatic SysML	
	Poster	Eufemia Tinelli, Francesco Maria Donini, Michele Ruta and Eugenio Di Sciascio	Reasoning in resource-constrained environments: a matchmaking engine over relational Knowledge Bases	
Friday, July 15				
9.00 – 10.05	Invited Talk	Gerd Smolka	Incremental decision procedures for modal logic with nominals and eventualities	Session Chair: Maurizio Lenzerini
10.05 – 10.30	Oral Presentation	Markus Krötzsch, Frederick Maier, Adila Alfa Krisnadhi and Pascal Hitzler	Nominal Schemas for Integrating Rules and Description Logics	
10.30 – 11.00	Coffee Break			
11.00 – 11.25	Oral Presentation	Birte Glimm, Yevgeny Kazakov and Carsten Lutz	Status QIO: An Update	Session Chair: Diego Calvanese
11.25 – 11.50	Oral Presentation	Ilianna Kollia, Birte Glimm and Ian Horrocks	Query Answering over SROIQ Knowledge Bases with SPARQL	
11.50 – 12.15	Oral Presentation	Floriana Di Pinto, Giuseppe De Giacomo, Maurizio Lenzerini and Riccardo Rosati	Mapping Data to Higher-Order Description Logic Knowledge Bases	
12.15 – 12.40	Oral Presentation	Agi Kurucz, Frank Wolter and Michael Zakharyashev	On P/NP Dichotomies for EL Subsumption under Relational Constraints	
12.40 – 12.45	Poster	Adila Alfa Krisnadhi, Kunal Sengupta and Pascal Hitzler	Local Closed World Semantics: Keep it simple, stupid!	
12.45 – 14.40	Lunch			
14.40 – 15.05	Oral Presentation	Giorgos Stoilos and Bernardo Cuenca Grau	Repairing Incomplete Reasoners	Session Chair: Michael Zakharyashev
15.05 – 15.30	Oral Presentation	Thomas Hubauer, Steffen Lamparter and Michael Pirker	Relaxed Abduction: Robust Information Interpretation for Incomplete Models	
15.30 – 15.55	Oral Presentation	Eldora, Martin Knechtel and Rafael Peñaloza	Correcting Access Restrictions to a Consequence More Flexibly	
15.55 – 16.20	Oral Presentation	Anees Mehdi and Sebastian Rudolph	Practical Epistemic Entailment Checking in SROIQ	
16.20 – 16.35	Poster	Alan Jeffrey and Peter F. Patel-Schneider	Integrity Constraints for Linked Data	
	Poster	Arina Britz, Thomas Meyer and Ivan Varzinczak	Concept Model Semantics for DL Preferential Reasoning	
	Poster	Fred Freitas, Anne Schlicht and Heiner Stuckenschmidt	A Connection Method for Inferencing over the Description Logic ALC	
	Poster	Anni-Yasmin Turhan, Julian Mendez and Andreas Ecke	Implementing completion-based inferences for the EL-family	
16.35 – 18.30	Coffee Breaks, Poster & Demo Session			
20.30	Social Dinner			
Saturday, July 16				
9.00 – 9.25	Oral Presentation	Baris Sertkaya	In the Search of Improvements to the EL+ Classification Algorithm	Session Chair: Roman Kontchakov
9.25 – 9.50	Oral Presentation	Yevgeny Kazakov, Markus Krötzsch and Frantisek Simancik	Unchain My EL Reasoner	
9.50 – 10.15	Oral Presentation	Francis Gasse and Viorica Sofronie-Stokkermans	Efficient TBox subsumption checking in combinations of $\mathcal{S}(\mathcal{AL})\mathcal{EL}\mathcal{S}$ and (fragments of) $\mathcal{S}(\mathcal{AL})\mathcal{FL}\mathcal{O}\mathcal{S}$	
10.15 – 10.40	Oral Presentation	Frantisek Simancik, Boris Motik and Markus Krötzsch	Fixed Parameter Tractable Reasoning in DLs via Decomposition	
10.40 – 11.10	Coffee Break			
11.10 – 11.35	Oral Presentation	Luciano Serafini and Martin Homola	Contextual Representation and Reasoning with Description Logics	Session Chair: Sebastian Rudolph
11.35 – 12.00	Oral Presentation	Szymon Klarman and Víctor Didier Gutiérrez Basulto	Two-Dimensional Description Logics of Context	
12.00 – 13.00	Business Meeting			