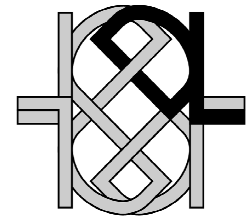


25th International Workshop on Description Logics



WORKSHOP PROGRAM

THURSDAY		JUNE 7
09:00-10:05	Invited Talk Alan Rector	What's Missing? DLs, OWL and the Ecology of Semantic Systems
10:05-10:30	Oral Presentation Despoina Magka, Boris Motik and Ian Horrocks	Modelling Structured Domains Using Description Graphs and Logic Programming
10:30-11:00	Coffee Break	
11:00-12:40	Oral Presentations	
	Riccardo Rosati	Query Rewriting under Extensional Constraints in DL-Lite
	Meghyn Bienvenu, Carsten Lutz and Frank Wolter	Deciding FO-Rewritability in EL
	Tassos Venetis, Giorgos Stoilos and Giorgos Stamou	Incremental Query Rewriting for OWL 2 QL
	Stanislav Kikot, Roman Kontchakov, Vladimir Podolskii and Michael Zakharyashev	Long Rewritings, Short Rewritings
12:40-12:45	Poster Presentation Yujiao Zhou, Bernardo Cuenca Grau and Ian Horrocks	Efficient Upper Bound Computation of Query Answers in Expressive Description Logics
12:45-14:15	Lunch	
14:15-15:55	Oral Presentations	
	Ana Armas Romero, Bernardo Cuenca Grau and Ian Horrocks	Modular Combination of Reasoners for Ontology Classification
	Dmitry Tsarkov	Improved Algorithms for Module Extraction and Atomic Decomposition
	Andreas Ecke and Anni-Yasmin Turhan	Role-depth Bounded Least Common Subsumers for EL+ and ELI
	Rafael S. Gonçalves, Bijan Parsia and Ulrike Sattler	Concept-Based Semantic Difference in Expressive Description Logics
15:55-16:00	Poster Presentation Chiara Del Vescovo, Bijan Parsia and Ulrike Sattler	Logical Relevance in Ontologies
16:00-16:30	Coffee Break	
16:30-17:20	Oral Presentations	
	Marcelo Arenas, Elena Botoeva, Diego Calvanese, Vladislav Ryzhikov and Evgeny Sherkhonov	Representability in DL-Lite _R Knowledge Base Exchange
	Yazmin Ibanez-Garcia	Finite Model Reasoning in DL-Lite with Cardinality Constraints
17:20-17:45	Poster Presentations	
	Michaël Thomazo	From EL to Tractable Existential Rules with Complex Role Inclusions
	Giorgio Stefanoni, Boris Motik and Ian Horrocks	Small Datalog Query Rewritings for EL
	Laleh Roosta Pour and Volker Haarslev	Algebraic Reasoning for SHIQ
	Enrico Franconi, Alessandro Mosca and Dmitry Solomakhin	ORM2 Encoding into Description Logic (extended abstract)
	Milenko Mosurovic, Henson Graves and Nenad Krdzavac	A Decidable Extension of SRIQ with Disjunctions in Complex Role Inclusion Axioms
18:00-19:00	Welcome Reception	

FRIDAY

JUNE 8

09:00-10:05	Invited Talk Serge Abiteboul	Viewing the Web as a Distributed Knowledge Base
10:05-10:30	Oral Presentation Meghyn Bienvenu, Magdalena Ortiz and Mantas Simkus	Answering Expressive Path Queries over Lightweight DL Knowledge Bases
10:30-11:00	Coffee Break	
11:00-12:40	Oral Presentations Enrico Franconi, Volha Kerhet and Nhung Ngo	Exact Query Reformulation over SHOQ DBoxes
	Carsten Lutz, Inanc Seylan and Frank Wolter	Mixing Open and Closed World Assumption in Ontology-Based Data Access: Non-Uniform Data Complexity
	Thomas Eiter, Magdalena Ortiz, Mantas Simkus, Trung-Kien Tran and Guohui Xiao	Towards Practical Query Answering for Horn-SHIQ
	Ilianna Kollia and Birte Glimm	Cost Based Query Ordering over OWL Ontologies
12:40-12:45	Poster Presentation Weili Fu and Rafael Peñaloza	Adding Context to Tableaux for DLs
12:45-14:15	Lunch	
14:15-15:55	Oral Presentations Frantisek Simancik	Elimination of Complex RIAs without Automata
	Loris Bozzato, Martin Homola and Luciano Serafini	Towards More Effective Tableaux Reasoning for CKR
	Chan Le Duc, Myriam Lamolle and Olivier Cure	An ExpSpace Tableaux-based Algorithm for SHOIQ
	Mohammad Khodadadi, Renate A. Schmidt and Dmitry Tishkovsky	An Abstract Tableau Calculus for the Description Logic SHOI Using Unrestricted Blocking and Rewriting
15:55-16:00	Poster Presentation Andreas Steigmiller, Thorsten Liebig and Birte Glimm	Extended Caching and Backjumping for Expressive Description Logics
16:00-16:30	Coffee Break	
16:30-17:20	Oral Presentations Wael Yehia and Mikhail Soutchanski	Towards an Expressive Decidable Logical Action Theory
	Özgür Lütfü Özcep and Ralf Möller	Combining DL-Lite with Spatial Calculi for Feasible Geothematic Query Answering
17:20-17:45	Poster Presentations Wael Yehia, Hongkai Liu, Marcel Lippmann, Franz Baader and Mikhail Soutchanski	Experimental Results on Solving the Projection Problem in Action Formalisms Based on Description Logics
	Fabrizio Riguzzi, Elena Bellodi and Evelina Lamma	Probabilistic Datalog+/- under the Distribution Semantics
	Stefan Borgwardt and Rafael Peñaloza	Non-Gödel Negation Makes Unwitnessed Consistency Undecidable
	Ken Halland and Katarina Britz	Naive ABox Abduction in ALC Using a DL Tableau
	Naouel Karam and Adrian Paschke	Patent Valuation Using Difference in ALEN

SATURDAY**JUNE 9**

09:00-12:15	DL-12 & NMR-12 JOINT SESSION	
09:00-10:05	Invited Talk	
	Piero Bonatti	Defaults in Description Logics: so Simple, so Difficult
10:05-10:30	Oral Presentation	
	Georg Gottlob, Andre Hernich, Clemens Kupke and Thomas Lukasiewicz	Equality-Friendly Well-Founded Semantics and Applications to Description Logics
10:30-11:00	Coffee Break	
11:00-12:15	Oral Presentations	
	Laura Giordano, Valentina Gliozzi, Nicola Olivetti and Gian Luca Pozzato	Preferential Low Complexity Description Logics: Complexity Results and Proof Methods
	Meghyn Bienvenu	Inconsistency-Tolerant Conjunctive Query Answering for Simple Ontologies
	Domenico Lembo, Maurizio Lenzerini, Riccardo Rosati, Marco Ruzzi and Domenico Fabio Savo	Inconsistency-Tolerant First-order Rewritability of DL-Lite with Identification and Denial Assertions
12:15-13:50	Lunch	
13:50-15:05	Oral Presentations	
	Hai Nguyen, Natasha Alechina and Brian Logan	Axiom Pinpointing Using an Assumption-Based Truth Maintenance System
	Samantha Bail, Bijan Parsia and Ulrike Sattler	Diversity of Reason: Equivalence Relations over Description Logic Explanations
	Stefan Borgwardt, Felix Distel and Rafael Peñaloza	Gödel Negation Makes Unwitnessed Consistency Crisp
15:05-15:30	Poster Presentations	
	Francesca A. Lisi	A Formal Characterization of Concept Learning in Description Logics
	Jaromir Malenko and Petr Stepanek	Nonmonotonic Reasoning in Description Logic by Tableaux Algorithm with Blocking
	Kody Moodley, Thomas Meyer and Ivan Varzinczak	A Protege Plug-in for Defeasible Reasoning
	Mina Aslani and Volker Haarslev	Concurrent Classification of OWL Ontologies - An Empirical Evaluation
Yuan Ren, Jeff Z. Pan and Kevin Lee	Optimising Parallel ABox Reasoning of EL Ontologies	
15:30-16:00	Coffee Break	
16:00-17:30	Poster Session	
18:15-23:00	Social Event	

SUNDAY**JUNE 10**

9:00-10:40	Oral Presentations	
	Alexander Borgida, Jennifer Horkoff, John Mylopoulos and Riccardo Rosati	Experiences in Mapping the Business Intelligence Model to Description Logics, and the Case for Parametric Concepts
	Anna Queralt, Alessandro Artale, Diego Calvanese and Ernest Teniente	OCL-Lite: A Decidable (yet Expressive) Fragment of OCL
	Jiewen Wu, Alexander Hudek, David Toman and Grant Weddell	Absorption for ABoxes
10:40-11:10	Kejia Wu and Volker Haarslev	A Parallel Reasoner for the Description Logic ALC
	Coffee Break	
11:10-12:25	Oral Presentations	
	Simona Colucci and Francesco M. Donini	Inverting Subsumption for Constructive Reasoning
	Franz Baader, Stefan Borgwardt and Barbara Morawska	A Goal-Oriented Algorithm for Unification in EL w.r.t. Cycle-Restricted TBoxes
12:25-13:30	Franz Baader, Stefan Borgwardt, Julian Mendez and Barbara Morawska	UEL: Unification Solver for EL
	Business Meeting	
13:30-14:30	Lunch	

Regular sessions will be held at Sapienza Università di Roma, via Caserta 6, room A1 (ground floor).
Coffee breaks and lunches will be served in the roof garden.
Poster session will be held at the reading room (ground floor).

SOCIAL PROGRAM

Thursday, June 7, 18:00-19:00 – Welcome Reception

A welcome cocktail is organized for registered participants and accompanying persons on the first evening of the workshop. The cocktail will be held at the workshop venue, in the roof garden.

Saturday, June 9, 18:15-23:00 – Tour and Dinner

Enjoy the Archeobus tourist route through the centre of Rome and then along the Park of Via Appia Antica (<http://www.trambusopen.com/>). After the tour, a dinner awaits us at the restaurant “Ar Montarozzo”, via Appia Antica 4.

Program

- We will meet at 18:15, in viale Einaudi. Archeobus leaves at 18:30.
- The tour takes about one hour. The Archeobus will leave us directly at the restaurant.
- After dinner, the bus will take us back at the conference venue (we expect to leave the restaurant at 23:00).

How to reach the meeting point from the conference venue (overall expected time: 20 minutes)

- take the metro line B at Policlinico station, direction Termini-Laurentina, and stop at Termini station (2 stops from Policlinico). Take the exit “piazza dei cinquecento” (which is the A label in the map) and then go straight on crossing over the square as indicated in the map (300 meters walking distance from the metro station).

