26th International Workshop on Description Logics

Venue

DL 2013 will be held at the University of Ulm in Building N27, Multimediaroom 2.059.

The evening reception and the poster session take place in the foyer of N27.

Lunch will be served in the Mensa (Cafeteria)

Botanischer Garten Line 3, 5 (from city center) Universität Süd Line 3, 5, 6 (from city center) Botanischer Garten Line 3, 5, 45 Meverhofstraße N27 2.059 James-Franck-Ring Gewächshäuser Botanischer Gart Universität Süd

Internet Access

Wi-Fi network: welcome Username: ore.dl@gast.uni-ulm.de Password: 9N*RvVXa

City Tour

July 24. 18:30-19:30 (City tour ends at Ratskeller restaurant)

Meeting point Stadthaus, Tourist-Information, Münsterplatz 50, 89073 Ulm (white building in front of Ulmer Münster/Cathedral)

Rathaus Ulm Line 5, 6 (from Ulm University), 4

Ulm Hauptbahnhof (7 minutes walk) Line 3, 5, 6 (from Ulm University)

Social Dinner

July 24. 19:30 - 22:00 Time

Place Ratskeller Restaurant, Marktplatz 1, 89073 Ulm

Bus stops Rathaus Ulm Line 5, 6 (from Ulm University), 4 Line 3, 5, 6 (from Ulm University)

Ulm Hauptbahnhof/Central station (10 minutes walk)



26th International Workshop on Description Logics

Workshop Program

Zakharyaschev and Evgeny Zolin 14:90-14:00 14:90-14:00 14:90-14:00 DL Reasoning 14:00-14:25 Chiara Del Vescovo, Pavel Klinov, Bijan Parsia, Ulrike Sattler, Thomas Schneider and Dmitry Tsarkov CFDnc: A PTIME Description Logic with Functional ConstruCision 14:25-14:50 David Toman and Grant Weddell CFDnc: A PTIME Description Logic with Functional ConstruCision 14:50-15:15 Vevgeny Kazakov and Pavel Klinov Incremental Reasoning in EL+ without Bookkeeping 15:15-15:40 Franz Baader, Oliver Fernandez Gil and Barbara Hybrid EL-Unlification is NP-complete Morawska Morawska Morawska Hybrid EL-Unlification is NP-complete Morawska 15:40-15:43 Domenico Lembo, Valerio Santarelli and Domenico Fabio Savo Melhong Song, Bruce Spencer and Weichang Du Hybrid Reasoning Approach Module-Theoretic Properties of Reachability Modules for S SQOWL2: Transactional Type Inference for OWL 2 DL in a RDBMS Robert Michael Wolters, German Nemirovski and Andreas Nolle Despoina Trivela, Giorgos Stalmou Optimising Resolution-Based Rewriting Algorithms for DL Chordaras and Giorgos Stamou Optimising Resolution-Based Rewriting Algorithms for DL Chordaras and Giorgos Stamou Optimising Resolution-Based Rewriting Algorithms for DL Chordaras and Giorgos Stamou Optimising Resolution-Based Rewriting Algorithms for DL Ontologies Stanislav Kikot, Roman Kontchakov, Vladimir Podolskii and Michael Zakharyaschev Advances in Accessing Big Data with Expressive Ontologies Andreas Rolf Moller, Christian Neuenstadt, Özgür Özcep Advances in Accessing Big Data with Expressive Ontologies Andreas Rolf Moller, Christian Neuenstadt, Özgür Özcep Advances in Accessing Big Data with Expressive Ontologies Andreas Rolf Moller, Christian Neuenstadt, Özgür Özcep Advances in Accessing Big Data with Expressive Ontologies Andreas Rolf Moller, Christian Neuenstadt, Özgür Özcep Advances in Accessing Big Data	Day 1 (July 23)				
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Approaches for EL 17:57-18:00 Marco Console, Maurizio Lenzerini, Riccardo Synthesizing Extensional Constraints in Ontology-based D	17:51-17:54				
17:57-18:00 Marco Console, Maurizio Lenzerini, Riccardo Synthesizing Extensional Constraints in Ontology-based D	17:54-17:57				
Mancini, Riccardo Rosati and Marco Ruzzi Access	17:57-18:00	Marco Console, Maurizio Lenzerini, Riccardo Mancini, Riccardo Rosati and Marco Ruzzi	Synthesizing Extensional Constraints in Ontology-based Data Access		
18:00-18:03 Andreas Nolle and German Nemirovski ELITE: An Entailment-based Federated Query Engine for Complete and Transparent Semantic Data Integration	18:00-18:03		ELITE: An Entailment-based Federated Query Engine for		
18:00-19:30 Evening Reception	18:00-19:30	Evening Reception			







26th International Workshop on Description Logics Workshop Program Day 2 (July 24)

9:00-10:25	Biomedical Applications	
9:00-10:00	Keynote	
	Michel Dumontier	Drugs, Genetics and Phenotypes: an Admission of Formal Semantics in Biomedical Research
10:00-10:25	Ernesto Jimenez-Ruiz, Christian Meilicke, Bernardo Cuenca Grau and Ian Horrocks	Evaluating Mapping Repair Systems with Large Biomedical Ontologies
10:25-11:00	Coffee Break	
11:00-12:35	DL Reasoning II	
11:00-11:25	Andreas Steigmiller, Birte Glimm and Thorsten Liebig	Extending Absorption to Nominal Schemas
11:25-11:50	Jiewen Wu, Taras Kinash, David Toman and Grant Weddell	Absorption for ABoxes with Local Universal Restrictions
11:50-12:15	Rafael S. Gonçalves, Nicolas Matentzoglu, Bijan Parsia and Uli Sattler	The Empirical Robustness of Description Logic Classification
12:15-12:18	Marvin Schiller and Birte Glimm	Towards Explicative Inference for OWL
12:18-12:21	Kejia Wu and Volker Haarslev	Exploring Parallelization of Conjunctive Branches in Tableau-based Description Logic Reasoning
12:21-12:24	Loris Bozzato and Luciano Serafini	Materialization Calculus for Contexts in the Semantic Web
12:24-12:27	Chan Le Duc, Myriam Lamolle and Olivier Curé	SHOIQ with Transitive Closure of Roles is Decidable
12:27-12:30	Daniel Gorin, Lutz Schröder and Thorsten Wißmann	Reasoning with Bounded Self-Reference using Logical Interpreters
12:30-12:33	Mohammad Khodadadi, Dmitry Tishkovsky and Renate A. Schmidt	A Refined Tableau Calculus with Controlled Blocking for the Description Logic SHOI
12:33-12:36 12:35-14:00	Cong Wang, David Carral and Pascal Hitzler Lunch Break	SROIQ Syntax Approximation by Using Nominal Schemas
14:00-15:35	Temporal Aspects & Change	
14:00-14:25	Stefan Borgwardt, Marcel Lippmann and Veronika Thost	<u> </u>
14:25-14:50	Alessandro Artale, Roman Kontchakov, Frank Wolter and Michael Zakharyaschev	Temporalising OWL 2 QL
14:50-15:15	Diego Calvanese, Magdalena Ortiz and Mantas Simkus	Evolving Graph Databases under Description Logic Constraints
15:15-15:18	Diego Calvanese, Giuseppe De Giacomo, Marco Montali and Fabio Patrizi	Dynamic Systems Based on Description Logics: Formalization, Verification, and Synthesis
15:18-15:21	Eleni Tsalapati, Giorgos Stoilos, Giorgos Stamou and George Koletsos	Query Rewriting Under Ontology Evolution
15:21-15:24	Serge Autexier and Dieter Hutter	Constructive DL Update and Reasoning for Modeling and Executing the Orchestration of Heterogenous Processes
15:24-15:27	Ali Rezaei Divroodi and Linh Anh Nguyen	Bisimulation-Based Comparisons for Interpretations in Description Logics
15:27-15:30	Taccari	Reasoning with Temporal ABoxes: Combining DL-Lite core with CTL
15:30-15:33	Özgür Lütfü Özcep and Ralf Möller	Spatial Semantics for Concepts
15:35-16:05	Coffee Break	
16:05-17:40		
16:05-16:30	Boris Konev, Carsten Lutz and Frank Wolter	Exact Learning of TBoxes in DL-Lite and EL
16:30-16:55 16:55-17:20	Felix Distel and Yue Ma Daniel Borchmann	A Hybrid Approach for Learning Concept Definitions from Text
		Axiomatizing Confident EL_gfp-General Concept Inclusions in the Presence of Trusted Individuals
17:20-17:40 18:30-19:30	ORE Reasoner Competition: Announcement of Guided City Tour	Results

26th International Workshop on Description Logics Workshop Program Day 3 (July 25)

9:00-10:25	FOL Fragments	
9:00-10:00	Keynote lan Pratt-Hartmann	Transitivity and Equivalence in Decidable Fragments of Firs
10:00-10:25	Yazmin Angelica Ibanez-Garcia, Carsten Lutz and Thomas Schneider	
10:25-11:00	Coffee Break	
11:00-12:35	Uncertainty	
11:00-11:25	Jean Christoph Jung and Carsten Lutz	Ontology-Based Access to Probabilistic Data with OWL QL
11:25-11:50	Rafael Peñaloza and Tingting Zou	Rough EL Completion
11:50-12:15	Arina Britz, Giovanni Casini, Thomas Meyer and Ivan Varzinczak	Preferential Role Restrictions
12:15-12:18	Francesca Alessandra Lisi and Umberto Straccia	A System for Learning GCI Axioms in Fuzzy Description Logics
12:18-12:21	Fernando Bobillo and Umberto Straccia	General Concept Inclusion Absorptions for Fuzzy Description logics: A First Step
12:21-12:24	Stefan Borgwardt and Rafael Peñaloza	About Subsumption in Fuzzy EL
12:24-12:27	Andreas Ecke, Rafael Peñaloza and Anni-Yasmin Turhan	Role-depth bounded Least Common Subsumer in Prob-EL with Nominals
12:27-12:30	Denis Ponomaryov and Dmitry Vlasov	Concept definability and Interpolation in Enriched Models of EL TBoxes
12:30-12:33	Mohamed Chaabani, Rachid Echahed and Martin Strecker	Logical Foundations for Reasoning about Transformations of Knowledge Bases
12:35-14:00	Lunch Break	Ü
14:00-15:35	Rules & Nonmonotonic DLs	
14:00-14:25	André Hernich, Clemens Kupke, Thomas Lukasiewicz and Georg Gottlob	Well-Founded Semantics for Extended Datalog and Ontologica Reasoning
14:25-14:50	Despoina Magka, Markus Krötzsch and Ian Horrocks	Nonmonotonic Existential Rules for Non-Tree-Shaped Ontologi Modelling
14:50-15:15	Laura Giordano, Valentina Gliozzi, Nicola Olivetti and Gian Luca Pozzato	Minimal Model Semantics and Rational Closure in Description Logics
15:15-15:18	and Kody Moodley	Nonmonotonic Reasoning in Description Logics: Rational Close for the ABox
15:18-15:21	Giovanni Casini, Thomas Meyer, Kody Moodley and Ivan Varzinczak	Towards Practical Defeasible Reasoning for Description Logics
15:21-15:24	Pierre Bourhis, Michael Morak and Andreas Pieris	The Impact of Disjunction on Query Answering Under Guarded based Existential Rules
15:24-15:27	Thomas Lukasiewicz, Maria Vanina Martinez and Gerardo Simari	Preference-Based Query Answering in Datalog+/- Ontologies
15:27-15:30	Tommaso Di Noia, Thomas Lukasiewicz and Gerardo Simari	Reasoning with DL-based CP-nets
15:30-15:33	Thomas Lukasiewicz, Maria Vanina Martinez and Gerardo Simari	Complexity of Inconsistency-Tolerant Query Answering in Datalog+/–
	Corarao Ciman	Datalog 17

Day 4 (July 26)				
9:00-10:40	Interpolation & Approximation			
9:00-9:25	Michel Ludwig and Boris Konev	Towards Practical Uniform Interpolation and Forgetting for ALC TBoxes		
9:25-9:50	Anni-Yasmin Turhan and Benjamin Zarrieß	Computing the lcs w.r.t. General EL+-TBoxes		
9:50-10:15	Nadeschda Nikitina and Sven Schewe	More is Sometimes Less: Succinctness in EL		
10:15-10:40	Marco Console, Valerio Santarelli and Domenico Fabio Savo	Efficient approximation in DL-Lite of OWL 2 ontologies		
10:40-11:00	Coffee Break			
11:00-12:40	Non-Standard Reasoning			
11:00-11:25	Marcelo Arenas, Elena Botoeva, Diego Calvanese and Vladislav Ryzhikov	Computing Solutions in OWL 2 QL Knowledge Exchange		
11:25-11:50	Martin Homola, Jan Kluka, Vojtěch Svátek and Miroslav Vacura	Towards Typed Higher-Order Description Logics		
11:50-12:15	Roman Kontchakov, Vladislav Ryzhikov and Michael Zakharyaschev	Conjunctive Query Inseparability in OWL 2 QL is ExpTime-hard		
12:15-12:40	Meghyn Bienvenu and Riccardo Rosati	New inconsistency-tolerant semantics for robust ontology-based data access		
12:40-13:00	Lunch Break (with sandwiches)			
13:00-14:00	Business Meeting			