

2006 International Workshop on Description Logics Programme

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May 30–June 1, 2006

	Tuesday (05/30)	Wednesday (05/31)	Thursday (06/01)
9 : 00	ABox Reasoning	Implementation	Tableaux
10 : 30	<i>Coffee</i>	<i>Coffee/Posters</i>	<i>Coffee/Posters</i>
11 : 00	Theory	Queries and DLs	Efficient Reasoning
12 : 30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
2 : 00	Tony Hunter	Franz Baader	DIG 2.0
3 : 20	Posters Intro	<i>Coffee/Demos</i>	<i>Coffee</i>
3 : 50	<i>Coffee/Posters/Demos</i>	Unorthodox Apps	Business Meeting
4 : 30			
6 : 00	<i>Welcome Reception</i>		
7 : 30		DL Dinner	

Tuesday May 30

9:00 Welcome to DL'06

9:05 DLs and ABoxes (regular presentations)

- ▷ SHIN ABox Reduction. *Achille Fokoue, Aaron Kershenbaum and Li Ma.*
- ▷ On the Scalability of Description Logic Instance Retrieval. *Ralf Möller Volker Haarslev and Michael Wessel.*
- ▷ Description Logic Reasoning for Dynamic ABoxes. *Christian Halaschek-Wiener, Bijan Parsia, Evren Sirin and Aditya Kalyanpur.*
- ▷ Optimizations for Answering Conjunctive ABox Queries. *Evren Sirin and Bijan Parsia.*

10:35 Coffee

11:00 Theory (long presentations)

- ▷ DL Actions with GCIs: a Pragmatic Approach. *Hongkai Liu, Carsten Lutz, Maja Miličić and Frank Wolter.*
- ▷ PSPACE Automata for Description Logics. *Jan Hladik and Rafael Peñaloza.*
- ▷ A Description Logic of Change. *Alessandro Artale, Carsten Lutz and David Toman.*

12:30 Lunch

2:00 Anthony Hunter: *Living with Inconsistency: Theory + Applications* (Invited Talk)

3:20 Posters Introduction

3:50 Coffee/Posters/Demos

6:00 Welcome Reception

Wednesday May 31

9:00 Implementation (regular presentations)

- ▷ Automated Benchmarking of Description Logic Reasoners. *Tom Gardiner, Ian Horrocks and Dmitry Tsarkov.*
- ▷ Description logic reasoning using the PTPP approach. *Zsolt Nagy, Gergely Lukácsy and Peter Szeredi.*
- ▷ Towards Mobile Reasoning. *Thomas Klemann.*
- ▷ Handling Imprecise Knowledge with Fuzzy Description Logic. *Giorgos Stoilos, Giorgos Stamou and Jeff Pan.*

10:20 Coffee Break/Poster Session

11:00 Queries and DLs (long presentations)

- ▷ Conjunctive Query Answering for Description Logics with Transitive Roles. *Birte Glimm, Ian Horrocks and Ulrike Sattler.*
- ▷ Epistemic First-order Queries over Description Logic Knowledge Bases. *Diego Calvanese, Giuseppe De Giacomo, Domenico Lembo, Maurizio Lenzerini and Riccardo Rosati.*
- ▷ Data Complexity of Answering Unions of Conjunctive Queries in *SHIQ*. *Magdalena Ortiz, Diego Calvanese and Thomas Eiter.*

12:30 Lunch

2:00 Franz Baader: *Description Logics: a personal history* (Invited Talk)

3:20 Coffee Break/Poster Session

4:30 Unorthodox Applications (regular presentations)

- ▷ Finding Subsumers for Natural Language Presentation. *Chris Mellish and Jeff Pan.*
- ▷ Will my Ontologies Fit Together?. *Bernardo Cuenca Grau, Ian Horrocks, Oliver Kutz and Ulrike Sattler.*
- ▷ Model checking the basic modalities of CTL with Description Logic. *Shoham Ben-David, Richard Trefler and Grant Weddell.*
- ▷ Beyond Asserted Axioms: Fine-Grain Justifications for OWL-DL Entailments. *Aditya Kalyanpur, Bijan Parsia and Bernardo Cuenca Grau.*

7:30 DL Dinner

Thursday June 1

9:00 Tableaux (regular presentations)

- ▷ Reasoning for Fuzzy Description Logic with Comparison Expressions. *Dazhou Kang, Baowen Xu, Jianjiang Lu and Yanhui Li.*
- ▷ Tableau Caching for Description Logics with Inverse and Transitive Roles. *Yu Ding and Volker Haarslev.*
- ▷ High Performance Absorption Algorithms for Terminological Reasoning. *Ming Zuo and Volker Haarslev.*
- ▷ Extending the *SHOIQ(D)* Tableaux with DL-safe Rules: First Results. *Vladimir Kolovski, Bijan Parsia and Evren Sirin.*

10:20 Coffee Break/Poster Session

11:00 Efficient Reasoning (long presentations)

- ▷ Efficient Reasoning in \mathcal{EL}^+ . *Franz Baader, Carsten Lutz and Boontawe Sontisrivaraporn.*
- ▷ Discrete Tableau Algorithms for \mathcal{FSHI} . *Yanhui Li, Baowen Xu, Jianjiang Lu and Dazhou Kang.*
- ▷ Binary Absorption in Tableaux-Based Reasoning for Description Logics. *Alexander K. Hudek and Grant Weddell.*

12:30 Lunch

2:00 DIG 2.0 session

3:00 Coffee Break/Poster Session

4:00 Business Meeting

Poster Presentation Schedule (May 30 at 3:20)

- ▷ Euclidian Roles in Description Logics. *Giorgos Stoilos and Giorgos Stamou.*
- ▷ Experiences with Load Balancing and Caching for Semantic Web Applications. *Alissa Kaplunova, Atila Kaya and Ralf Möller.*
- ▷ How sensor data interpretation could benefit from description logics: A practical case study. *Ralf Möller and Sylvia Melzer.*
- ▷ Cost-Efficient Web Service compositions for querying processes over reasoning services. *Irma Sofia Espinosa Peraldi and Ralf Möller.*
- ▷ Static Knowledge Representation of Multi-Agent System's Specification by Description Logic. *Haiyan Che and Jigui Sun.*
- ▷ A Tableaux-based Mobile DL Reasoner - An Experience Report. *Felix Müller, Michael Hanselmann, Thorsten Liebig and Olaf Noppens.*
- ▷ Computing Maximally Satisfiable Terminologies for the Description Logic \mathcal{ALC} with Cyclic Definitions. *Kevin Lee, Thomas Meyer, Jeff Pan and Richard Booth.*
- ▷ Pellet System Description. *Evren Sirin and Bijan Parsia.*
- ▷ Topological Reasoning in Basic Description. *Matteo Cristani, Nicoletta Gabrielli and Paolo Torelli.*
- ▷ The new ICOM Ontology Editor. *Pablo Fillotrani, Enrico Franconi and Sergio Tessaris.*