4th OWL Reasoner Evaluation Workshop (ORE 2015)

Collocated with the Description Logics Workshop (2015)

Athens, Greece, June 6, 2015
4th edition of the workshop!

- ORE 2012: collocated with IJCAR conference (Manchester)
- ORE 2013: collocated with DL workshop (Ulm)
- ORE 2014: collocated with the VSL (Vienna)
- **ORE 2015: collocated with DL workshop (Athens)**
Submissions and workshop structure

- **ORE 2012:**
  - 14 papers accepted
  - 4 systems submitted to the off-line competition
  - Half day workshop: flash presentations + poster session

- **ORE 2013:**
  - 18 papers accepted
  - 14 systems submitted to the off-line and online competitions
  - 7 user submitted ontologies
  - Full day workshop: regular sessions with presentations
  - On-line competitions during DL
Submissions and workshop structure

- **ORE 2014:**
  - 11 papers accepted
  - 11 systems submitted to the online competition
  - 7 user submitted ontologies
  - Full day workshop: regular sessions with presentations
  - On-line competition during DL

- **ORE 2015:**
  - 11 papers accepted: 5 system papers and 6 evaluation/benchmark papers
  - 13 systems submitted to the off-line and online competitions
  - 13 user submitted ontologies
  - Full day workshop: regular sessions with presentations
  - On-line competition during DL
    - ORE Live competition Results, June 9 (Tuesday), 17:30-17:45
Proceedings and DBLP index

• Deadline camera ready versions: June 19
• DBLP index: indexed 2012 and 2013
Systems Submitted to the Competition (I)

- Chainsaw:  
  http://sourceforge.net/projects/chainsaw/

- ELepHant:  
  https://code.google.com/p/elephant-reasoner/

- ELK:  
  http://code.google.com/p/elk-reasoner/

- FaCT++:  
  http://code.google.com/p/factplusplus/

- HermiT (for OWL API 3 and OWL API 4):  
  http://www.hermit-reasoner.com/

- jcel:  
  http://jcel.sourceforge.net/

- Jfact:  
  http://sourceforge.net/projects/jfact/
Systems Submitted to the Competition (II)

- Konclude:
  http://www.derivo.de/en/produkte/konclude/
- MORe:
  http://code.google.com/p/more-reasoner/
- PAGOdA:
  https://www.cs.ox.ac.uk/isg/tools/PAGOdA/
- Pellet (for OWL API 3 and OWL API 4):
  http://clarkparsia.com/pellet
- Racer:
  https://www.ifis.uni-luebeck.de/index.php?id=385
- TrOWL:
  http://trowl.eu/
Acknowledgements (I)

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- Competition organisers
- PC members and subreviewers
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- Sponsors: DBOnto and B2i
Acknowledgements (II)

Local organisers

- Specially Giorgos Stamou and Giorgos Stoilos
Acknowledgements (III)

Logo and T-Shirt designer

- Birte Glimm
Programme

Morning Session

- 9:45-10:00 Opening
- 10:00-10:30 Session 1: System presentations
  Ontology-based Query Answering with PAGOdA
- 10:30-11:00 Coffee break (and optional demos)
- 11:00-12:40 Session 2: System presentations
  - The Bayesian Ontology Reasoner is BORN!
  - A swarm of Mini-MEs: reasoning and information aggregation in ubiquitous multi-agent context
  - LETHE: A Saturation-Based Tool for Non-Classical Reasoning
  - RuQAR: Reasoning with OWL 2 RL Using Forward Chaining Engines
- 12:40-14:10 Lunch break (and optional demos)
Programme

Afternoon Session

• 14:10-15:50 Session 3: Evaluation/benchmark
  • The OWL Reasoner Evaluation Goes Mobile
  • Verifying Reasoner Correctness A Justification Based Method
  • Evaluation and optimized usage of OWL 2 Reasoners in an event-based eHealth context.
  • On the Feasibility of Using OWL 2 Reasoners in Ontology Alignment Repair Problems

• 15:50-16:20 Coffee break (and optional demos)

• 16:20-17:10 Session 4: Evaluation/benchmark
  • A Survey of Current, Stand-alone OWL Reasoners
  • A Power Consumption Benchmark Framework for Ontology Reasoning on Android Devices

• 17:10-17:40 ORE 2015 off-line results and closing.

• 19:30-XX:xx Social dinner: The Butcher Shop
Social dinner at 19:30: The Butcher Shop