

**Proceedings of the
2nd OWL Reasoner Evaluation Workshop
(ORE 2013)**

Collocated with DL 2013 Workshop
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Preface

OWL is a logic-based ontology language standard designed to promote interoperability, particularly in the context of the (Semantic) Web. The standard has encouraged the development of numerous OWL reasoning systems, and such systems are already key components of many applications.

The goal of this workshop is to bring together both developers and users of reasoners for (subsets of) OWL, including systems focusing on both intensional (ontology) and extensional (data) query answering.

This volume contains the papers presented at ORE 2013: The 2nd International Workshop on OWL Reasoner Evaluation, held in Ulm, Germany, on July 22, 2013. ORE 2013 was collocated with the 26th edition of the DL workshop. The workshop received a 18 submissions (14 system papers and 4 ontology/benchmark papers) each of which was reviewed by at least three members of the program committee or additional reviewers. Since there was not any off-topic submission, we accepted all submission, following the inclusive tradition of DL, for oral presentation at the workshop.

In addition to workshop paper submissions, ORE 2013 also included a competition in which OWL reasoners were faced with different reasoning task, such as ontology classification, consistency checking, and satisfiability checking of concepts. The tasks were performed on several large corpora of real-life OWL ontologies obtained from the web, as well as user-submitted ontologies which were found to be challenging for reasoners. The proceedings also contains a short report summarizing the main results of the competition.

Fourteen OWL reasoners participated in the ORE 2013 competition:

- BaseVISor <http://vistology.com/basevisor/basevisor.html>
- TrOWL <http://trowl.eu/>
- Konclude <http://www.derivo.de/en/produkte/konclude/>
- ELepHant <https://code.google.com/p/elephant-reasoner/>
- TReasoner <https://code.google.com/p/treasoner/>
- HermiT <http://www.hermit-reasoner.com/>
- MORE <http://code.google.com/p/more-reasoner/>
- ELK <http://code.google.com/p/elk-reasoner/>
- jcel <http://jcel.sourceforge.net/>
- SnoRocket <http://research.ict.csiro.au/software/snorocket>
- FaCT++ <http://code.google.com/p/factplusplus/>
- Jfact <http://sourceforge.net/projects/jfact/>
- Chainsaw <http://sourceforge.net/projects/chainsaw/>
- WSClassifier <https://code.google.com/p/wsclassifier/>

Acknowledgements

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We also thank Konstantin Korovin (supported by the Royal Society grant RG080491) at the University of Manchester who kindly provided us with the PC cluster for the competition.

We also gratefully acknowledge the support of our sponsors. In particular, we thank the main workshop sponsor: B2i Healthcare (<https://www.b2international.com/>).

We would also like to acknowledge that the work of the ORE organisers was greatly simplified by using the EasyChair conference management system (<http://www.easychair.org>) and the CEUR Workshop Proceedings publication service (<http://ceur-ws.org/>).

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