Preface

This volume contains the papers presented at ORE 2014: The 3rd OWL Reasoner Evaluation Workshop held on July 13, 2014 in Vienna (co-located with the Vienna Summer of Logic, VSL). The committee decided to accept 11 papers (5 Evaluation and Benchmarks papers, 3 papers about a reasoner or reasoning techniques, and 3 papers describing an ontology). Each submission was reviewed by at least 3 program committee members.

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 ORE is to bring together the developers and users of reasoners for (subsets of) OWL, including systems focusing on both intensional (ontology) and extensional (data) query answering. The workshop will give developers a perfect opportunity to promote their systems.

In addition to workshop paper submissions, ORE 2014 also included a competition in which OWL reasoners were faced with different reasoning tasks. The competition included six disciplines in which reasoners could compete: ontology classification, consistency checking, and realisation each for OWL EL and OWL DL reasoners. 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.

August 5, 2014

Samantha Bail
Birte Glimm
Ernesto Jimenez-Ruiz
Nicolas Matentzoglu
Bijan Parsia
Andreas Steigmiller
Acknowledgements

We thank all members of the program committee, competition organisers, additional reviewers, authors of the submitted papers, developers of the submitted reasoners and ontologies, and local organizers for their invaluable effort.

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 sponsors: the DL workshop (http://dl.kr.org/) and 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).
Organisers, PC Chairs

Samantha Bail Flatiron Health, New York
Ernesto Jimenez-Ruiz University of Oxford

Competition Organisers

Birte Glimm University of Ulm
Nicolas Matentzoglu University of Manchester
Bijan Parsia University of Manchester
Andreas Steigmiller University of Ulm

Program Committee

Ana Armas Oxford University
Franz Baader TU Dresden
Michel Dumontier Stanford University
Christine Golbreich University of Montpellier
Janna Hastings European Bioinformatics Institute
Yevgeny Kazakov The University of Ulm
Pavel Klinov University of Ulm
Ilianna Kollia National Technical University of Athens
Despoina Magka Yahoo
Francisco Martin-Recuerda Universidad Politecnica of Madrid
Christian Meilicke University of Mannheim
Julian Alfredo Mendez TU Dresden
Maria Del Mar Roldan-Garcia Universidad de Malaga
Stefan Schlobach Vrije Universiteit Amsterdam
Jörg Schönisch University of Mannheim
Weihong Song University of New Brunswick
Kavitha Srinivas IBM Research
Dmitry Tsarkov The University of Manchester
Zhe Wang Griffith University

Additional Reviewers

Evgeny Kharlamov University of Oxford
Markus Krötzscht TU Dresden
Marvin Schiller University of Ulm
Alessandro Solimando Università di Genova
Dmitriy Zheleznyakov University of Oxford