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Publication List

Journal Papers

○ Martin Giese, Peter Haase, Ernesto JimÃĽnez-Ruiz, Davide Lanti, Ozgur Ozcep, Martin Rezk, Riccardo Rosati, Ahmet Soylu, Guillermo Vega-Gorgojo, Arild Waaler, and Guohui Xiao, *Optique – zooming in on big data access*. IEEE Computer (2015)

○ Mariano Rodriguez-Muro and Martin Rezk, *Efficient SPARQL-to-SQL with R2RML mappings*. Accepted (with revisions) in the Journal of Web Semantics (2014)

○ Martin Rezk and Michael Kifer, *Transaction Logic with Partially Defined Actions*. Journal on Data Semantics (2012), Volume 1, Issue 2, pp 99-131.

○ Martin Rezk and Laura Alonso Alemany, *Designing Topic Shifts with Graphs*. Revista Iberoamericana de Inteligencia Artificial (2007), Volume 11, Number 36, 27-34.

Conference Papers

○ Davide Lanti, Martin Rezk, Guohui Xiao, and Diego Calvanese, *The NPD benchmark: Reality check for OBDA systems*. To appear in the 18th Int. Conf. on Extending Database Technology (EDBT), 2015.

○ Roman Kontchakov, Martin Rezk, Mariano Rodriguez-Muro, Guohui Xiao, and Michael Zakharyaschev, *Answering SPARQL Queries over Databases and under OWL 2 QL Entailment Regime*. In Proc. of the 13th International Semantic Web Conference, (ISWC), 2014.

○ Guohui Xiao, Martin Rezk, Mariano Rodriguez-Muro, and Diego Calvanese, *Rules and Ontology Based Data Access*. In Proc. of The Eighth International Conference on Web Reasoning and Rule Systems, (RR), 2014.

○ Martin Rezk, Jungyeul Park, Yoon Yongun, Kyungtae Lim, John Larsen, Young-Gyun Hahm, and Key-Sun Choi, *Korean Linked Data on the Web: Text to RDF*. In Proc. of The Joint International Semantic Technology Conference, LNCS, 368-374, Japan, 2012.

○ Martin Rezk and Michael Kifer, *Formalizing Production Systems with Rule-based Ontologies*. In Proc. of the Seventh International Symposium on Foundations of Information and Knowledge Systems, LNCS, 332-351, Germany, March 5-9, 2012.

- Martin Rezk and Michael Kifer, *Reasoning with Actions in Transaction Logic*. In Proc. of the Fifth International Conference on Web Reasoning and Rule Systems, LNCS, 201-216, Ireland, August 29-30, 2011.

- Martin Rezk and Michael Kifer, *On the Equivalence Between the L1 Action Language and TR-PAD*. In Proc. of the Fifth International Conference on Web Reasoning and Rule Systems, LNCS, 185-200, Ireland, August 29-30, 2011.

- Martin Rezk and Werner Nutt, *Combining Production Systems and Ontologies*. In Proc. of the Fifth International Conference on Web Reasoning and Rule Systems, LNCS, 287-293, Ireland, August 29-30, 2011.

- Jos de Bruijn and Martin Rezk, *A Logic Based Approach to the Static Analysis of Production Systems*. In Proc. of the Third International Conference on Web Reasoning and Rule Systems, LNCS, 254-268, Chantilly, VA, USA, October 25-26, 2009.

Workshop Papers

- Davide Lanti, Martin Rezk, Mindaugas Slusnys, Guohui Xiao, and Diego Calvanese. *The NPD Benchmark for OBDA Systems*. To appear in 10th International Workshop on Scalable Semantic Web Knowledge Base Systems. Riva del Garda, Trentino, Italy, 2014.

- Davide Lanti, Martin Rezk, Mindaugas Slusnys, Guohui Xiao, and Diego Calvanese. *A Scalable Benchmark for OBDA Systems: Preliminary Report*. To appear in The OWL Reasoner Evaluation Workshop, Vienna, Austria, 2014.

- Timea Bagosi, Diego Calvanese, Josef Hardi, Sarah Komla-Ebri, Davide Lanti, Martin Rezk, Mariano Rodriguez-Muro, Mindaugas Slusnys and Guohui Xiao. *The Ontop Framework for Ontology Based Data Access (Poster and Demo)*. To appear in 8th Chinese Semantic Web and Web Science Conferense, Wuhan , China, 2014.

- Mariano Rodriguez-Muro, Martin Rezk, Josef Hardi, Mindaugas Slusnys, Timea Bagosi and Diego Calvanese. *Evaluating SPARQL-to-SQL Translation in Ontop*. In Proc. of the 2nd International Workshop on OWL Reasoner Evaluation, 94-100, Ulm, Germany, 2013.

Project Deliverables

- D6.2, *Transformation system configuration techniques.*
  *Authors:*Konstantina Bereta, Elena Botoeva, Diego Calvanese, Benjamin Cogrel, Davide Lanti, Martin Rezk, Sarah Komla-Ebri, and Guohui Xiao.

- D6.1, *Query Transformation*
  *Authors:*Babak Bagheri Hariri, Timea Bagosi, Diego Calvanese, Josef Hardi, Mindaugas Slusnys, Martin Rezk, Mariano Rodriguez-Muro, Riccardo Rosati, Guohui Xiao.
  URL: http://www.optique-project.eu/wp-content/uploads/2013/10/D6.1.pdf

- D2.3, *Prototype of the Core Platform*
  *Authors:*Johannes Trame, Peter Haase, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Christoph Pinkel, Martin Rezk, Ahmet Soylu.
  URL: `http://www.optique-project.eu/wp-content/uploads/2013/10/D2.3.pdf`

- D3.4, *Converged and optimized combinations of rules and ontologies*
  Authors: Thomas Eiter, Michael Kifer, Alessandro Mosca, Martin Rezk, Riccardo Rosati, Magdalena Ortiz Simkiene, Mantas Simkus, Trung-KienTran, Guohui Xiao.

- D3.3, *Complexity and optimization of combinations of rules and ontologies*
  Authors: Cristina Feier , Hassan Ait-Kaci, Jurgen Angele , Jos de Bruijn , Hugues Citeau, Thomas Eiter, Adil El Ghali, Volha Kerhet, Eva Kiss, Roman Korf, Thomas Krekeler, Thomas Krennwallner, Stijn Heymans, Alessandro Mosca, Martín Rezk, Guohui Xiao.
  URL: `http://ontorule-project.eu/outcomes?func=finishdown&id=46`

- D3.2, *Initial combinations of rules and ontologies* Stijn Heymans, Jos de Bruijn, Martín Rezk, Hassan Ait-Kaci, Hugues Citeau, Roman Korf, Jorg Puhrer, Cristina Feier, Thomas Eiter.
  URL: `http://ontorule-project.eu/outcomes?func=fileinfo&id=18`