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Selected Publications And Presentations

Journal Papers

○ D. Calvanese, B. Cogrel, S. Komla, R. Kontchakov, D. Lanti, M. Rezk, M. Rodriguez-Muro, G. Xiao, *Ontop: Answering SPARQL queries over relational databases.*. Semantic Web Journal (2016)

○ D. Calvanese, P. Liuzzo, A. Mosca, J. Remesal, M. Rezk, G. Rull, *Ontology-based data integration in EPNet: Production and distribution of food during the Roman Empire.* Engineering Applications of Artificial Intelligence (2016)

○ M. Rodriguez-Muro and M. Rezk, *Efficient SPARQL-to-SQL with R2RML mappings.* Accepted in the Journal of Web Semantics (2015)

○ M. Giese, P. Haase, E. Jiménez-Ruiz, D. Lanti, M. Rezk, R. Rosati, A. Soylu, G. Vega-Gorgojo, A. Waaler, G. Xiao, *Optique – Zooming In on Big Data Access.* Accepted in IEEE Computer magazine (2015)

○ M. Rezk and M. Kifer, *Transaction Logic with Partially Defined Actions.* Journal on Data Semantics (2012)

○ M. Rezk and L. Alonso Alemany, *Designing Topic Shifts with Graphs.* Revista Iberoamericana de Inteligencia Artificial (2007)

Conference Papers

○ B. Charron, Y. Hirate, D. Purcell, M. Rezk: *Extracting Semantic Information for e-Commerce.* International Semantic Web Conference (ISWC), 2016

○ D. Hovland, D. Lanti, M. Rezk, G. Xiao: *OBDA Constraints for Effective Query Answering.* RuleML, 2016

○ D. Calvanese, A. Mosca, J. Remesal, M. Rezk, G. Rull: *A "historical case" of Ontology-Based Data Access.* Digital Heritage, 2015

○ D. Lanti, M. Rezk, G. Xiao, and D. Calvanese, *The NPD Benchmark: Reality Check for OBDA Systems.* In Proc. of the The 18th International Conference on Extending Database Technology, (EDBT), 2015.

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

- G. Xiao, M. Rezk, M. Rodriguez-Muro, and D. Calvanese, *Rules and Ontology Based Data Access*. In Proc. of the 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*. Joint International Semantic Technology Conference, 2012

- M. Rezk and M. Kifer, *Formalizing Production Systems with Rule-based Ontologies*. In Proc. of the Seventh International Symposium on Foundations of Information and Knowledge Systems, 2012

- M. Rezk and M. Kifer, *Reasoning with Actions in Transaction Logic*. In Proc. of the Fifth International Conference on Web Reasoning and Rule, 2011

- M. Rezk and M. 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, 2011

- Martin Rezk and Werner Nutt, *Combining Production Systems and Ontologies*. In Proc. of the Fifth International Conference on Web Reasoning and Rule Systems, 2011

- J. de Bruijn and M. 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, 2009

Workshop Papers

- Elena Botoeva, Diego Calvanese, Benjamin Cogrel, Martin Rezk, Guohui Xiao: OBDA Beyond Relational DBs: A Study for MongoDB. Description Logics (2016)

- Elena Botoeva, Diego Calvanese, Benjamin Cogrel, Martin Rezk, Guohui Xiao: *OBDA Over Non-Relational Databases*. AMW (2016)

- Alessandro Mosca, JosÃľ Remesal, Martin Rezk, Guillem Rull: *Knowledge Representation in EPNet*. (2016)

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