

EVGENY KHARLAMOV

PUBLICATIONS BY TYPE

SUBMITTED TO PUBLICATION

- [1] *Capturing Model-Based Ontology Evolution at the Instance Level: DL-Lite Case.* (**Preprint**)
E. Kharlamov, D. Zheleznyakov.
Invited to a special issue of Journal of Computer and System Sciences (JCSS).

JOURNALS

- 2012 [4] *Answering Queries using Views over Probabilistic XML: Complexity and Tractability.*
B. Cautis, E. Kharlamov.
Proceedings of the VLDB Endowment (**PVLDB**) Vol. 5, No. 8.
Presented at the International Conference on Very Large Databases (**VLDB**). Istanbul.
- 2011 [3] *Capturing Continuous Data and Answering Aggregate Queries in Probabilistic XML.*
S. Abiteboul, H. Chan, E. Kharlamov, W. Nutt, P. Senellart.
ACM Transactions on Database Systems (**TODS**). Vol. 36, No. 4.
- 2010 [2] *Probabilistic XML via Markov Chains.*
M. Benedikt, E. Kharlamov, D. Olteanu, P. Senellart.
Proceedings of the VLDB Endowment (**PVLDB**) Vol. 3, No. 1.
Presented at the International Conference on Very Large Databases (**VLDB**). Singapore.
- 2008 [1] *Incomplete Information in Information Integration.*
E. Kharlamov, W. Nutt.
Proceedings of the VLDB Endowment (**PVLDB**) Vol. 1, No. 1.
Presented at the PhD Workshop of **VLDB**. Auckland. New Zealand.

CONFERENCE PAPERS

- 2012 [7] *Answering Queries using Views over Probabilistic XML: Complexity and Tractability.*
B. Cautis, E. Kharlamov
Presented at the International Conference on Very Large Databases (**VLDB**). Istanbul.
- [6] *Ontology Evolution Under Semantic Constraints.*
B. Cuenca Grau, E. Jimenez-Ruiz, E. Kharlamov and D. Zheleznyakov.
In Proc. of International Conference on Principles of Knowledge Representation
and Reasoning (**KR**), Rome, June'11. **Acceptance: 26%**.
- 2011 [5] *Capturing Instance Level Ontology Evolution for DL-Lite.*
E. Kharlamov, D. Zheleznyakov.
In Proc. of Int. Semantic Web Conference (**ISWC**), Bonn, October'11. **Acceptance: 19%**.
- 2010 [4] *Probabilistic XML via Markov Chains.*
M. Benedikt, E. Kharlamov, D. Olteanu, P. Senellart.
Presented at the International Conference on Very Large Databases (**VLDB**). Singapore.
- [3] *Evolution of DL-Lite Knowledge Bases.*
D. Calvanese, E. Kharlamov, W. Nutt, D. Zheleznyakov.
In Proc. of Int. Semantic Web Conf. (**ISWC**). Shanghai, China. **Acceptance: 20%**.
- [2] *Aggregating Discrete and Continuous Probabilistic XML.*
S. Abiteboul, H. Chan, E. Kharlamov, W. Nutt, P. Senellart.
In Proc. of International Conference on Database Theory (**ICDT**). Lausanne, CH.
- 2005 [1] *Discrete Modeling of Structure Preserving Mutations in Proteins.*
P. Demenkov, E. Kharlamov.
In Proc. of 2005 Asian Logic Conference (**ALC**), Novosibirsk, Russia.

DEMONSTRATIONS

- 2012 [1] *QUASAR: Querying Annotation, Structure, Reasoning.*
L. Chen, M. Benedikt, E. Kharlamov.
In Proc. of Int. Conf. on Extending Database Technology (**EDBT**). **Acceptance: 39%**.

WORKSHOP PAPERS

- 2012 [14] *OWL 2 QL for Business Processes: Statement of Interest.*
D. Calvanese, M. Montali, E. Kharlamov, and D. Zheleznyakov.
In Proc. of OWL: Experiences and Directions (**OWLED**), Heraklion, Greece.
- [13] *How to Contract Ontologies: Statement of Interest.*
B. Cuenca Grau, E. Kharlamov, and D. Zheleznyakov.
In Proc. of OWL: Experiences and Directions (**OWLED**), Heraklion, Greece.
- [12] *Ontology Contraction: Beyond Propositional Paradise.*
B. Cuenca Grau, E. Kharlamov, and D. Zheleznyakov.
In Proc. of Alberto Mendelzon Workshop (**AMW**). Ouro Preto, Brazil.
- 2011 [11] *On Prototypes for Winslett's Semantics of DL-Lite ABox Evolution.*
E. Kharlamov and D. Zheleznyakov.
In Proc. of Description Logics Workshop (**DL**). Barcelona, Spain.
- [10] *Challenges for View-Based Query Answering over Probabilistic XML.*
B. Cautis, E. Kharlamov
In Proc. of Alberto Mendelzon Workshop (**AMW**). Santiago, Chile.
- [9] *Understanding Inexpressibility of Model-Based ABox Evolution in DL-Lite.*
E. Kharlamov and D. Zheleznyakov.
In Proc. of Alberto Mendelzon Workshop (**AMW**). Santiago, Chile.
- [8] *Value Joins are Expensive over (Probabilistic) XML.*
E. Kharlamov, W. Nutt, P. Senellart.
The Logic in Databases workshop (**LID**). In Proc. **EDBT**, Uppsala, Sweden, March 2011.
- 2010 [7] *Updating ABoxes in DL-Lite.*
D. Calvanese, E. Kharlamov, W. Nutt, D. Zheleznyakov.
In Proc. of Alberto Mendelzon Workshop (**AMW**). Buenos-Aires, Argentina.
- [6] *Updating TBoxes in DL-Lite.*
D. Zheleznyakov, D. Calvanese, E. Kharlamov, W. Nutt.
In Proc. of Description Logics Workshop (**DL**). Waterloo, Canada.
- [5] *Updating Probabilistic XML.*
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XML Updates workshop. In Proc. **EDBT**. Lausanne, Switzerland.
- 2009 [4] *Agrégation de Documents XML Probabilistes.*(title in French, content in English)
S. Abiteboul, H. Chan, E. Kharlamov, W. Nutt, P. Senellart.
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- 2008 [3] *Aggregate Queries over Ontologies.*
D. Calvanese, E. Kharlamov, W. Nutt, C. Thorne.
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In Proc. of **CIKM**. USA.
- [2] *Incomplete Information in Information Integration.*
E. Kharlamov, W. Nutt.
Presented at the PhD Workshop of **VLDB**. Auckland. New Zealand.
- 2007 [1] *A Proof Theory for DL-Lite.*
D. Calvanese, E. Kharlamov, W. Nutt.
In Proc. of 2007 Description Logic Workshop (**DL**). Brixen, Italy.

TUTORIALS

- 2012 [2] *Evolution of OWL 2 QL and EL Ontologies: Tutorial*.
B. Cuenca Grau, E. Jimenez-Ruiz, E. Kharlamov, D. Zheleznyakov.
OWL: Experiences and Directions Workshop (**OWLED**)
- [1] *Introduction to Probabilistic Data Management: Tutorial*.
E. Kharlamov, P. Senellart.
27th French national DB conference (**BDA**). October 2011, Rabat, Morocco.

BOOK CHAPTERS

- 2011 [1] *Modeling, Querying, and Mining Uncertain XML*.
E. Kharlamov, P. Senellart. (**Book Chapter**) In A. Tagarelli, editor,
XML Data Mining: Models, Methods, and Applications. IGI Global, 2011.

DISSERTATIONS

- Apr 2011 PhD Thesis: *A Probabilistic Approach to XML Data Management*.
Faculty of Computer Science, Free University of Bozen-Bolzano. April 2010.
Available at <http://www.inf.unibz.it/~kharlamov/pubs.html>
- Oct 2006 MS Thesis: *Model Theory and Calculus for the Description Logic DL-Lite*.
Faculty of Computer Science, Free University of Bozen-Bolzano.
Available at <http://www.inf.unibz.it/~kharlamov/pubs.html>
- Jun 2003 BS Thesis: *On Formalization of Prediction*. (in Russian)
Department of Mechanics and Mathematics, Novosibirsk State University.

TECHNICAL REPORTS

- 2011 [4] *Capturing Model-Based Ontology Evolution at the Instance Level: DL-Lite Case. (Ext. Vers.)*
E. Kharlamov, D. Zheleznyakov.
KRDB Research Centre Technical Report KRDB11-5. Italy. November 2011.
- [3] *Understanding Inexpressibility of Model-Based ABox Evolution in DL-Lite (Extended Vers.)*
E. Kharlamov, D. Zheleznyakov.
KRDB Research Centre Technical Report KRDB11-4. Italy. April 2011.
- [2] *Evolution of DL-Lite Knowledge Bases (Extended Version)*.
D. Calvanese, E. Kharlamov, W. Nutt, D. Zheleznyakov.
KRDB Research Centre Technical Report KRDB11-3. Italy. March 2011.
- [1] *Value Joins are Expensive over (Probabilistic) XML. Extended Version*.
E. Kharlamov, W. Nutt, P. Senellart.
KRDB Research Centre Technical Report KRDB11-1. Italy. February 2011.