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Nationality: Russian  
Gender: Male  
Marital Status: Single  
Place of Birth: Novosibirsk, Russia  
Date of Birth: April 8<sup>th</sup>, 1982  
Driver's License: B

# Dmitriy Zheleznyakov

## *Curriculum Vitae*

### Research Interests

Applied Logic  
Data Management  
Description Logics

Ontologies  
Semantic Web Technologies  
Peer-to-Peer Data Management

### Education

- 01/2010–Present** ✓ PhD in Computer science  
Free University of Bozen-Bolzano / Bolzano, Italy
- 10/2007–10/2009** ✓ European Master Program in Computational Logic  
Universidad Politécnica de Madrid / Madrid, Spain  
Free University of Bozen-Bolzano / Bolzano, Italy  
Degree: Master's Degree in Computer Science  
Thesis Title: Updating Description Logic Knowledge Bases  
GPA: 110 c.l. / 110 c.l.  
Supervisor: Prof. Diego Calvanese
- 09/1999–06/2003** ✓ BSc in Mathematics  
Novosibirsk State University / Novosibirsk, Russia  
Degree: Bachelor's Degree in Applied Mathematics and Informatics  
Thesis Title: Theory of Measuring and Constructive Logics  
GPA: Honors Degree, GPA 4.77 / 5.0, top 5% of the year  
Supervisor: Prof. Sergey Goncharov
- 09/1989–06/1999** ✓ Universal Schooling  
Municipal Elementary-Secondary-High School No.12 / Novosibirsk, Russia  
GPA: 4.75 / 5.0, top 5% of the year

### Work Experience

- 09/2011–11/2011** ✓ Intern at Laboratory of Foundation of Computer Science,  
University of Edinburgh, UK. Supervisor: Leonid Libkin
- 10/2009–01/2010** ✓ KRDB Research Centre, Faculty of Computer Science, Free University of Bozen-Bolzano  
Bolzano, Italy  
Position: Researcher
- 10/2004–08/2007** ✓ Company: TechnoSystems  
Novosibirsk, Russia  
Position: Engineer in Logistics

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## Work Experience (continued)

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- 09/2003–05/2004** ✓ Institute of Discrete Mathematics and Informatics  
Novosibirsk, Russia  
Position: Leading Engineer

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## Research Experience

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- ✓ Co-investigator on EU project ACSI: Artifact Centric Service Interoperation.  
Principal Investigator: Diego Calvanese. Funding: FP7-ICT-257593.  
Project website: <http://acsi-project.eu/>. My duties are to develop:  
– Formal model of ontology-based Web services.  
– Techniques for artifact based service interaction.

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## Skills

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- Programming** ✓ Pascal, Prolog, Haskell, LaTeX, XML, DTD, XML Schema, XSLT
- Semantic Web** ✓ RDF, RDFS, Protege
- Databases** ✓ SQL, Datalog, XPath, XQuery
- Software** ✓ MS Office, LaTeX
- Languages** ✓ **Russian:** Native language, **English:** Fluent, **Spanish:** Basic
- Activity** ✓ Organizing committee of International Congress “Mathematics in XXI century”  
Novosibirsk, Russia, 06/2003
- Personal Skills** ✓ Analytical mind, Logical approach to solving problems, Adaptiveness, Team working, Sense of humor, Wide sports and multicultural interests

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## Awards

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- 2007-2009** ✓ European Union’s Erasmus Mundus Grant

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## Talks Given

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- 2012** ✓ “Evolution in Description Logics Ontologies”. *FUB Winter Seminar*  
15 min. talk, Brunico, Italy
- 2011** ✓ “On Prototypes for Winslett’s Semantics of DL-Lite ABox Evolution”. *The XIV Description Logic Workshop*  
30 min. talk, Barcelona, Spain
- ✓ “Understanding Inexpressibility of Model-Based ABox Evolution in DL-Lite”. *V Alberto Mendelzon Workshop on Foundations of Data Management*  
30 min. talk, Santiago, Chile
- ✓ “Evolution in Description Logics Ontologies”. *FUB Winter Seminar*  
8 min. talk, Brunico, Italy
- ✓ “Understanding Evolution of Semantically Annotated Data”. *in Fondazione Bruno Kessler*  
60 min. talk, Trento, Italy (joint talk with Evgeny Kharlamov)

## Talks Given (continued)

- 2010**
- ✓ “IX Evolution of DL-Lite Knowledge Bases”. *International Semantic Web Conference*  
30 min. talk, Shanghai, China
  - ✓ “On the Semantics of Evolution in Ontologies: the Case of DL-Lite”. *KRDB Lunch Seminar*  
60 min. talk, Bolzano, Italy
  - ✓ “Updating ABoxes in DL-Lite”. *IV Alberto Mendelzon Workshop on Foundations of Data Management*  
30 min. talk, Buenos Aires, Argentina
  - ✓ “Updating TBoxes in DL-Lite”. *XXIII Description Logic Workshop*  
30 min. talk, Waterloo, Canada
- 2009**
- ✓ “Updating DL Knowledge Bases”. *Master Thesis, European Master in Computational Logic*  
20 min. talk, Bolzano, Italy
  - ✓ “Query Answering in P2P Networks”. *European Master in Computational Logic Student Workshop*  
20 min. talk, Madrid, Spain

## Publications

- 2012**
- ✓ Calvanese D., Kharlamov E., Montali M., Zheleznyakov D.  
*OWL 2 QL Specifications of Data Centric Business Processes*  
Preprint
  - ✓ Cuenca Grau B., Kharlamov E., Zheleznyakov D.  
*How to Contract Ontologies*  
Preprint
  - ✓ Cuenca Grau B., Jiménez-Ruiz E., Kharlamov E., Zheleznyakov D.  
*Evolution of OWL 2 QL and EL Ontologies*  
Tutorial proposal
  - ✓ Calvanese D., Kharlamov E., Zheleznyakov D.  
*Capturing Model-Based Ontology Evolution at the Instance Level: the Case of DL-Lite*  
Invited for a journal. Preprint
  - ✓ Cuenca Grau B., Jiménez-Ruiz E., Kharlamov E., Zheleznyakov D.  
*Ontology Evolution Under Semantic Constraints*  
The XIII Conference on Principles of Knowledge Representation and Reasoning,  
(KR), 2012, Rome, Italy  
Acceptance rate: 26%
- 2011**
- ✓ Kharlamov E., Zheleznyakov D.  
*Capturing Instance Level Ontology Evolution for DL-Lite*  
The X International Semantic Web Conference, 2011, Bonn, Germany  
Acceptance rate: 19%
  - ✓ Kharlamov E., Zheleznyakov D.  
*On Prototypes for Winslett’s Semantics of DL-Lite ABox Evolution*  
The XXIV International Workshop on Description Logics, 2011, Barcelona, Spain
  - ✓ Kharlamov E., Zheleznyakov D.  
*Understanding Inexpressibility of Model-Based ABox Evolution in DL-Lite*  
The V Alberto Mendelzon Workshop on Foundations of Data Management, 2011, Santiago, Chile

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## Publications (continued)

- 2010** ✓ Calvanese D., Kharlamov E., Nutt W., Zheleznyakov D.  
*Evolution of DL-Lite Knowledge Bases*  
The IX International Semantic Web Conference, 2010, Shanghai, China  
Acceptance rate: 20%
- ✓ Calvanese D., Kharlamov E., Nutt W., Zheleznyakov D.  
*Updating ABoxes in DL-Lite*  
The IV Alberto Mendelzon Workshop on Foundations of Data Management,  
2010, Buenos Aires, Argentina
- ✓ Zheleznyakov D., Calvanese D., Kharlamov E., Nutt W.  
*Updating TBoxes in DL-Lite*  
The XXIII International Workshop on Description Logics, 2010, Waterloo, Canada

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## Conference Reviewing

- 2011** ✓ International Semantic Web Conference (ISWC) 2011
- 2010** ✓ International Semantic Web Conference (ISWC) 2010