

LINA LUBYTE

Research Assistant (*Assegnista di Ricerca*)

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RESEARCH INTERESTS

My research interests are theoretical and applied aspects of knowledge-mediated access to and integration of information. The main focus is on the design of ontologies in the context of ontology-based access and integration of (relational) data sources. My topics of interest include:

- Knowledge representation and databases
- Incomplete information in databases
- Semantic technologies
- Data integration

EDUCATION

- 01/2007 – 04/2010 **PhD in Computer Science**
KRDB Research Centre for Knowledge and Data, Free University of Bozen-Bolzano, Italy.
Thesis: Techniques and Tools for the Design of Ontologies for Data Access.
- 2007 – 2010
Various summer/winter schools on Artificial Intelligence, Database Technologies, Trends in the Web of Data.
- 10/2004 – 10/2006 **European MSc (Master of Science) in Computational Logic**
Joint degree from the Faculty of Computer Science, Free University of Bozen-Bolzano and Faculty of Informatics, Technical University of Madrid.
Thesis: Extracting and Materializing the Conceptual Schema from a Relational Database.
- 09/2000 – 06/2004 **BSc in Computer Science**
Faculty of Mathematics and Informatics, Vilnius University, Lithuania.
- 09/1996 – 06/2000
High school diploma (with distinction)
Plunges “Saules” gymnasium, Plunge, Lithuania.
- 09/1989 – 05/1997
Music school diploma (piano class), Plunge, Lithuania.

WORK EXPERIENCE

- 06/2010 – present **Post-doc/Research assistant** (*Assegnista di Ricerca*)
KRDB Research Centre for Knowledge and Data, Free University of Bozen-Bolzano, Italy. Research on:
- knowledge representation applied to databases, focusing on semantics-based access to information, and
 - foundations of databases, focusing on incomplete information.

WORK EXPERIENCE (CONTINUATION)

- 10/2010 – present **Teaching assistant** for “Introduction to Databases” course at the Free University of Bozen-Bolzano, Italy. Duties include:
- teaching labs to 15 students,
 - supporting students in their 5-milestone group projects with extensive (written) feedback.
- 01/2007 – 05/2010 **PhD student/Research assistant** (*CoCoPro*)
KRDB Research Centre for Knowledge and Data, Free University of Bozen-Bolzano, Italy. Developed techniques and implemented tools for semantics enriched (ontology-based) access to and integration of data.
- 04/2003 – 09/2004 Technical sales assistant
Maxima Group, Lithuania, the largest supermarket chain in the Baltic States. Main duties included technical support for data management and analysis.

ORGANIZATIONAL ACTIVITIES

- 2010 • Reviewer Int. Conf. on Knowledge Engineering and Ontology Development (KEOD 2010)
 • Reviewer Int. Conf. on Next Generation Web Services Practices (NWeSP 2010)
 • Reviewer Int. Description Logics Workshop (DL 2010)
- 2009 • Reviewer Asian Semantic Web Conference (ASWC 2009)
- 2008 • Reviewer 23-esimo Convegno Italiano di Logica Computazionale (CILC 2008)
 • Computer Science PhD students representative
- 2007 • Co-organizer KRDB PhD students workshop

SKILLS

Programming:	Java, C++, C#, Visual Basic
(Semantic) Web technologies:	XML, XSLT, (X)HTML, CSS, RDF(S), RDFa, OWL
DBMSs:	Oracle, PostgreSQL, MySQL
Languages:	Lithuanian – native, English – fluent, Italian – fluent, German, Russian – basic

PUBLICATIONS

- 2010 [8] *Supporting the Development of Data Wrapping Ontologies (Extended Abstract)*.
L. Lubyte, S. Tessaris.
In Workshop Notes of the Description Logics Workshop (**DL 2010**).
- [7] *Techniques and Tools for the Design of Ontologies for Data Access*.
L. Lubyte.
PhD Thesis. Free University of Bozen-Bolzano, Italy.
- 2009 [6] *Supporting the Development of Data Wrapping Ontologies*.
L. Lubyte, S. Tessaris.
In Proc. of the Asian Semantic Web Conference (**ASWC 2009**).
- [5] *Automatic Extraction of Ontologies Wrapping Relational Data Sources*.
L. Lubyte, S. Tessaris.
In Proc. of the Int. Conf. on Database and Expert Systems Applications (**DEXA 2009**).

PUBLICATIONS (CONTINUATION)

- 2008 [4] *Supporting the Design of Ontologies for Data Access.*
L. Lubyte, S. Tessaris.
In Workshop Notes of the Description Logics Workshop (**DL 2008**).
- [3] *Realizing Ontology-Based Data Access: A Plugin for Protege.*
M. Rodriguez-Muro, L. Lubyte, D. Calvanese.
In Proc. of the Workshop on Information Integration Methods, Architectures and Systems (**IIMAS 2008**).
- 2007 [2] *Reusing Relational Sources for Semantic Information Access.*
L. Lubyte.
In Proc. of the PhD Workshop at CIKM (**PIKM 2007**).
- [1] *Extracting Ontologies from Relational Databases.*
L. Lubyte, S. Tessaris.
In Workshop Notes of the Description Logics Workshop (**DL 2007**).

RESEARCH SEMINARS

- 2010 *Predicate Emptiness in Description Logics: Techniques and Application Scenarios.*
KRDB lunch seminar, Bozen-Bolzano, Italy.
- 2009 *Supporting the Enrichment of Ontologies for Data Access.*
KRDB lunch seminar, Bozen-Bolzano, Italy.
- 2008 *Supporting the Design of Ontologies for Data Access.*
KRDB lunch seminar, Bozen-Bolzano, Italy.
- 2007 *Extracting Ontologies from Relational Databases.*
Invited seminar at Fondazione Bruno-Kessler - IRST, Trento, Italy.
- 2006 *Extracting and Materializing the Conceptual Schema from a Relational Database.*
EMCL Workshop, Bozen-Bolzano, Italy.
Extracting and Materializing the Conceptual Schema from a Relational Database.
KRDB seminar, Bozen-Bolzano, Italy.