

Davide Lanti

Via dei Portici 47
39100, Bolzano
Bolzano
Italy

Email: davide.lanti.sersante@gmail.com

Personal Information

Date of Birth: 02/03/1986
Place of Birth: Teramo
Nationality: Italian
Website: <https://www.inf.unibz.it/~dlanti/>
GitHub: <https://github.com/tirrolo>
Main GitHub Projects:
<https://github.com/ontop/npd-benchmark>
<https://github.com/ontop/vig>
<https://github.com/ontop/obda-mixer>
Google Scholar: U91SlzEAAAAJ
Cited By: 350
H-index: 8
ORCID: 0000-0003-1097-2965
Elsevier SCOPUS ID: 55973501200

Current Positions

Dates	01/01/2018 - ongoing
Company	Free University of Bozen-Bolzano
Type of Collaboration	PostDoc Research Assistant
Project	KENDO
Task Description	My task is to formalize and develop optimization strategies in the general context of ontology-based data access (OBDA). In particular, I am currently studying the problem of cost-based planning in OBDA, and on implementing the devised techniques in the OBDA system Ontop (https://github.com/ontop/ontop) through the use of Apache Calcite (https://calcite.apache.org/).

Dates	06/03/2018 - ongoing
University	Free University of Bozen-Bolzano
Type of Collaboration	Teaching Assistant (tutor)
Course Name	Knowledge Representation and Ontologies
Academic Level	Master Degree
Task Description	Exercises and project on: Semantic Web, Description Logics, Ontology-based Data Access
Results of Evaluations	Not Applicable
Place(s)	Bolzano-Bozen (Italy)

Education

Dates	04/01/2014 - 12/02/2018
Title or Qualification	Ph.D. in Computer Science
Thesis Title	Benchmarking and Optimization of Ontology-based Data Access Systems
Subject Area	Semantic Web, Knowledge Representation Systems, Databases, Logic
Institution(s)	Free University of Bolzano/Bozen
Place(s)	Bozen-Bolzano (Italy)
Dates	01/03/2016 - 31/07/2016
Title or Qualification	Visiting PhD student at The French Institute for Research in Computer Science and Automation (INRIA)
Argument	Ontology-based Data Access Optimization
Institution(s)	Inria-Saclay Ile-de-France
Place(s)	Saclay-Paris (France)
Dates	1/10/2010 - 11/04/2013
Title or Qualification	Master Degree in Computational Logic
Final Mark	1.3/4.0 (German System), A (ECTS System)
Subjects Covered	Propositional Logic First Order Logic Modal Logic Model Checking SAT Solving Foundations of Logic Programming, and Prolog Answer Sets Programming Term Rewriting Systems Description Logics, and Fuzzy Description Logics Information Integration English
Institution(s)	Free University of Bozen-Bolzano, Technische Universität Dresden
Place(s)	Bolzano (Italy), Dresden (Germany)
Dates	01/10/2005 - 15/03/2010
Title or Qualification	Bachelor Degree in Computer Science
Final Mark	110/110 cum Laude
Thesis Title	DALI Interpreter Re-engineering and Integration with the Semantic Web
Subjects Covered	Foundations of Computer Science and Mathematics Programming Languages and Computer Architectures Mathematical Analysis Probability Calculus
Institution(s)	Università de L'Aquila
Place	L'Aquila (Italy)

Work Experience

Dates	01/01/2018 - ongoing
Company	Free University of Bozen-Bolzano
Type of Collaboration	AR (Research Assistant)
Project	KENDO
Task Description	My task is to formalize and develop optimization strategies in the general context of ontology-based data access (OBDA). In particular, I am currently implementing the approach I proposed in [] in the OBDA system Ontop (https://github.com/ontop/ontop) through the use of Apache Calcite (https://calcite.apache.org/).
Place(s)	Bolzano-Bozen (Italy)
Dates	01/10/2013 - 31/12/2013
Company	Free University of Bozen-Bolzano
Type of Collaboration	Fixed-term Contract
Task Description	<i>Ontology-based Data Access</i> (OBDA) is about accessing heterogeneous physical data sources through a unified conceptual layer provided by a mediating ontology. My work focused on the production of a survey on OBDA research and on the understanding of the weaknesses of implemented OBDA systems.
Place(s)	Bolzano-Bozen (Italy)
Dates	01/11/2012 - 31/03/2013
Company	SAP A.G.
Type of Collaboration	Internship
Task Description	<i>Complex Event Processing</i> (CEP) describes search patterns inside a continuous stream of events. During this internship I implemented and tested a software artifact able to flexibly migrate resource demanding portions of queries (such as <i>correlated aggregations</i>) over an existing CEP system (<i>Sybase Event Stream Processor</i>) to the SAP HANA database.
Place(s)	Dresden (Germany)
Dates	2005-2009 (Occasionally)
Company	Abruzzo Vetro - Ardagh Glass
Type of Collaboration	Fixed-term Contract
Task Description	Manual checking and discarding of defective glass bottles.
Place(s)	Montorio al Vomano (Italy)

Experience in Academic Teaching

Dates	06/03/2018 - ongoing
University	Free University of Bozen-Bolzano
Type of Collaboration	Teaching Assistant (tutor)
Course Name	Knowledge Representation and Ontologies
Academic Level	Master Degree
Task Description	Exercises and project on: Semantic Web, Description Logics, Ontology-based Data Access
Results of Evaluations	Not Applicable
Place(s)	Bolzano-Bozen (Italy)

Dates	1/10/2017 - 31/01/2018
University	Free University of Bozen-Bolzano
Type of Collaboration	Teaching Assistant (tutor)
Course Name	Intelligent Systems
Academic Level	Undergraduate
Task Description	Exercises on: Search, Logic Programming, Knowledge Representation
Results of Evaluations	Not Applicable
Place(s)	Bolzano-Bozen (Italy)

Dates	1/10/2016 - 30/09/2017
University	Free University of Bozen-Bolzano
Type of Collaboration	Teaching Assistant (tutor)
Course Name	Operating Systems
Academic Level	Undergraduate
Task Description	Bash Scripting
Results of Evaluations	Not Applicable
Place(s)	Bolzano-Bozen (Italy)

Reviewing Activity

Event	The 12th IEEE International Conference on Semantic Computing (ICSC)
Reviewed Papers	4
Year	2018

Event	The 16th International Semantic Web Conference (ISWC)
Reviewed Papers	1
Year	2017

Projects Participation

I list here the projects in which I have participated through scientific contributions and/or the writing deliverables.

Project	KENDO: Knowledge-driven Enterprise Distributed cOmputing
Short Description	The Knowledge-driven Enterprise Distributed cOmputing (KENDO) project is about foundational and applied research on data management for distributed computing. In particular, it aims at developing a formal, verifiable and executable framework for enterprise distributed systems (EDSs) empowered with knowledge.
Project Duration	2015 – 2018
Participation Duration	Jan. 2017 – ongoing
Project	OBATS: Ontology-based analysis of temporal and streaming data
Short Description	Temporal log data of devices and sensors became recently a focus of an intensive IT research and engineering effort. As Internet of Things (IoT) technologies develop, large volumes of log data of devices is continuously uploaded online. This data needs to be analyzed for diagnostic purposes and, in some scenarios, the analysis needs to be done on-the-fly with minimal delay. Producing analytical queries over temporal data has always been a challenging task due to lack of a standard expressive query language suitable to handle time. Moreover, heterogeneity and distribution of the data is also an important obstacle in performing the analysis. OBATS aims at applying the approaches of Semantic Web in the context of temporal and streaming data of devices and sensors. In particular, OBATS aims at applying solutions from the Ontology-Based Data Access (OBDA) framework, which provides highly successful state-of-art technology for handling heterogeneous and distributed data, as well as high-level logical query languages that enable end-users not familiar with databases to perform the required analysis.
Project Duration	Jul. 2017 – Jun. 2019
Participation Duration	Jul. 2017 – ongoing
Project	Optique: European Union FP7 IST Large Scale Integrating Project Scalable End-user Access to Big Data (Optique), grant agreement n. FP7-318338.
Short Description	The project will bring about a paradigm shift for data access by providing a semantic end-to-end connection between users and data sources, enabling users to rapidly formulate intuitive queries, and seamlessly integrating data spread across multiple distributed data sources. The main objective of Optique is to develop an extensible platform that provides a complete and generic solution to the data access challenges posed by big data. The development of the platform will be continuously evaluated against the requirements of complex real-world challenges, with two large European companies providing comprehensive use cases, and access to user groups and TB scale data sets. The project is coordinated by the University of Oslo, Norway, and the additional partners are Oxford University, U.K., Hamburg University of Technology, Germany, Sapienza Università di Roma, Italy, National and Kapodistrian University of Athens, Greece, fluid Operations AG, Germany, Siemens AG, Germany, Statoil, Norway, and DNV, Norway
Project Duration	Nov. 2012 – Oct. 2016
Participation Duration	Jan. 2014 – Oct. 2016

Other Academic Responsibilities

Dates A.Y. 2015/2016
 University Free University of Bozen-Bolzano
 Responsibility Faculty-level PhD Students' Representative
 Boards PhD Committee
 Students Council
 Faculty Computer Science
 Place(s) Bolzano-Bozen (Italy)

Dates A.Y. 2014/2015
 University Free University of Bozen-Bolzano
 Responsibility Faculty-level PhD Students' Representative
 Boards PhD Committee
 Students Council
 Faculty Computer Science
 Place(s) Bolzano-Bozen (Italy)

Attended Events

Summer Schools

Dates 15/08/2016 - 26/08/2016
 Name European Summer School in Logic, Language and Information (ESLLI)
 Attended Lectures/Talks Description Logics
 Type Theory
 Algebraic Specification and Verification
 Logic Foundations of Databases
 Probabilistic Interpretation
 Ontology-mediated Query Answering
 Place(s) Bozen-Bolzano (Italy)

Dates 31/08/2015 - 04/08/2015
 Name Reasoning Web Summer School (RW) + RR Doctoral Consortium
 Attended Lectures/Talks Fuzzy Description Logics
 Modal Higher Order Logic
 TPTP (Automated Theorem Proving Competitions)
 Legal RuleML
 Datalog+/-
 Answer Set Programming
 Given Talk(s) Benchmarking and Optimization of OBDA Systems
 Poster(s) Benchmarking and Optimization of OBDA Systems
 Place(s) Berlin (Germany)

Dates	26/01/2015 - 30/01/2015
Name	International Winter School on Big Data (BigDat)
Attended Lectures/Talks	Decision Trees for Big Data Analytics Programming with Big Data Data-stream Security Search Engines Online Social Networks Kernel Models for Big Data
Place(s)	Tarragona (Spain)
Dates	08/09/2014 - 13/09/2014
Name	Reasoning Web Summer School (RW)
Attended Lectures/Talks	Linked Data Description Logics Query-processing for RDF Databases Graph Databases Ontology-based Query Answering Temporal Ontology-based Data Access Probabilistic Databases Smart Cities Machine Learning on Graphs
Poster(s)	The NPD Benchmark for OBDA Systems
Place(s)	Athens (Greece)
Dates	27/07/2014 - 1/08/2014
Name	EATCS Young Researchers School—Automata, Logic and Games
Attended Lectures/Talks	Logic Foundations of Databases
Place(s)	Telč (Czech Republic)
Dates	29/01/2014 - 31/01/2014
Name	Foundations and Challenges of Change in Ontologies and Databases (FCCOD)
Attended Lectures/Talks	Talks regarding dynamic aspects of logic and data access (Temporal Logics)
Given Talk(s)	A Survey of Temporal Extensions of DLs
Place(s)	Bolzano-Bozen (Italy)
Dates	01/08/2011 - 12/08/2011
Name	European Summer School in Logic, Language and Information (ESSLLI)
Attended Lectures/Talks	Logic in Action Logics of knowledge and strategic abilities in multi-agent systems Ordinals and Cardinals Strategies in Game: A logic automata study
Place(s)	Ljubljana (Slovenia)

Conferences

- Dates 21/10/2017 - 25/10/2017
Name International Semantic Web Conference (ISWC)
Topic(s) Semantic Web
Given Talk(s) Cost-driven Ontology-based Data Access
Talk Video http://videolectures.net/iswc2017_lanti_data_access/
Place(s) Vienna (Austria)
- Dates 06/07/2016 - 09/07/2016
Name International Web Rule Symposium (RuleML)
Topic(s) Rule Systems
Ontology-based Data Access
Legal Rules and Reasoning
Given Talk(s) OBDA Constraints for Effective Query Answering
Talk Video <https://www.youtube.com/watch?v=ivcRyy8a-Fw>
Place(s) Stony-Brook, New York (USA)
- Dates 04/08/2015 - 05/08/2015
Name International Conference on Web Reasoning and Rule Systems (RR)
Topic(s) Rule Systems
Given Talk(s) (Doctoral Consortium): Benchmarking and Optimization of OBDA Systems
Place(s) Berlin (Germany)
- Dates 19/10/2014 - 23/10/2014
Name International Semantic Web Conference (ISWC)
Topic(s) Semantic Web
Place(s) Riva del Garda (Italy)
- Dates 20/07/2014 - 24/07/2014
Name International Conference on Principles of Knowledge Representation and Reasoning (KR)
Topic(s) Knowledge Representation and Reasoning
Place(s) Vienna (Austria)
- Dates 7/01/2013 - 11/01/2013
Name Learning and Intelligent Optimization Conference (LION)
Topic(s) Combinatorial Optimization
Large-scale Parallelization in Search
Games and Computational Intelligence
Given Talk(s) Information Sharing in Parallel SAT Solving
Place(s) Catania (Italy)

Workshops

Dates	20/10/2014
Name	International Workshop on Scalable Semantic Web
Topic(s)	Semantic Web repositories etc.
Given Talk(s)	The NPD Benchmark for OBDA Systems
Place(s)	Riva del Garda (Italy)
Dates	17/07/2014 - 20/07/2014
Name	International Workshop on Description Logics (DL)
Topic(s)	Description Logics
Place(s)	Wien (Austria)
Dates	13/07/2014
Name	OWL Reasoner Evaluation Workshop (ORE)
Topic(s)	Knowledge Representation Systems OWL Benchmarks
Given Talk(s)	A Scalable Benchmark for OBDA Systems: Preliminary Report
Place(s)	Wien (Austria)
Dates	14/04/2014 - 17/04/2014
Name	EPCL PhD Workshop 2014
Topic(s)	Static and dynamic aspects of OBDA Argumentation theory SAT Solving Semantic Web Computer Science (Polynomial Hierarchy)
Given Talk(s)	Towards a Scalable Benchmark for OBDA Systems
Place(s)	Dresden (Germany)

Meetings

Dates	11/06/2014 - 14/06/2014
Name	OPTIQUE Plenary Meeting
Topic(s)	OPTIQUE—Scalable End-user Access to Big Data
Place(s)	Rome (Italy)

Language Skills

Native Italian Speaker

Excellent knowledge of the English language, both written and oral

Language Certificates

Institutional paper based TOEFL, August 06 2010. Released by the Wayne State University (Michigan) with a score of 580.

FCE certificate (B2 level), obtained in 2011.

Theoretical Knowledge

I have a deep knowledge in fields closely related to my research, such as Description Logics, Semantic Web, RDBMS Systems, Benchmarking, and Theoretical Computer Science. I have a solid knowledge in the field of Computational Logic (Classical Logic, Non-Monotonic Logic, Modal Logic) and in the theory of Logic Programming (Prolog Procedural and Declarative Interpretations). I know the principles of Model Checking, and hence both temporal (modal) logics Linear Temporal Logic and Computational Tree Logic. I have also some knowledge in the area of Term Rewriting Systems. In the past I acquired some knowledge in the area of Operations Research and Combinatorial Optimization (also from the Constraint Programming view of these kind of problems).

Practical Knowledge

Known Programming Languages

Imperative : Good knowledge of C++ and C. Excellent knowledge of Java 8.

Functional, Logic, etc. : Fair knowledge of Lisp, Haskell, OcaML, Prolog, ASP.

Web : Fair knowledge of PHP.

Constraint Programming : Good knowledge of ECLiPSe.

Script : Excellent knowledge of Bash, fair knowledge of Python and Javascript.

Research Interests

I am interested in logic, conceptual modeling, and relational databases. During my master studies, I worked in the research area of SAT solving. My current research focuses on practical aspects of Ontology-based Data Access (OBDA), and in particular on the problems of benchmarking and optimization of OBDA systems.

Prizes

2015: Best Doctoral Consortium Contribution Award in RR Conference 2015

2018: Best PhD Student Award, Faculty of Computer Science, Free University of Bozen-Bolzano

Scholarships, Waivers, etc.

Date Granted 2017
 Award Holder(s) Davide Lanti
 Funding Body Semantic Web Science Association (SWSA) and the US National Science Foundation (NSF)
 Title Student Travel Award for participation at the International Semantic Web Conference 2017
 Amount Received 300 Eur.

Date Granted 2016
 Award Holder(s) Davide Lanti
 Funding Body Euregio
 Title Euregio Grant for participation at ESLLI Summer School 2016
 Amount Received Fee Waiver, corresponding to 450 Eur.

Date Granted 2014-2016
 Award Holder(s) Davide Lanti
 Funding Body Free University of Bozen-Bolzano
 Title PhD bursary

Date Granted 2011
 Award Holder(s) Davide Lanti
 Funding Body Province of Bozen-Bolzano
 Title Bursary “per meriti particolari” (special merit)
 Amount Received 1160 Eur.

Publications

Papers in Refereed International Journals

- [JI-1] E. Kharlamov, D. Hovland, M. G. Skjæveland, D. Bilidas, E. Jiménez-Ruiz, G. Xiao, A. Soylu, D. Lanti, M. Rezk, D. Zheleznyakov, M. Giese, H. Lie, Y. E. Ioannidis, Y. Kotidis, M. Koubarakis, and A. Waaler. Ontology based data access in statoil. *J. Web Sem.*, 44:3–36, 2017. DOI: 10.1016/j.websem.2017.05.005.
- [JI-2] M. Giese, A. Soylu, G. Vega-Gorgojo, A. Waaler, P. Haase, E. Jiménez-Ruiz, D. Lanti, M. Rezk, G. Xiao, Ö. L. Özçep, and R. Rosati. Optique: Zooming in on big data. *IEEE Computer*, 48(3):60–67, 2015. DOI: 10.1109/MC.2015.82.
- [JI-3] D. Calvanese, B. Cogrel, S. Komla-Ebri, R. Kontchakov, D. Lanti, M. Rezk, M. Rodriguez-Muro, and G. Xiao. Ontop: Answering SPARQL queries over relational databases. *Semantic Web*, 8(3):471–487, 2017. DOI: 10.3233/SW-160217.

Papers in Refereed International Conferences

- [CI-4] D. Lanti, G. Xiao, and D. Calvanese. Cost-driven ontology-based data access. In *The Semantic Web - ISWC 2017 - 16th International Semantic Web Conference, Vienna, Austria, October 21-25, 2017, Proceedings, Part I*, pages 452–470, 2017. DOI: 10.1007/978-3-319-68288-4_27.

- [CI-5] Davide Lanti and N. Manthey. Sharing information in parallel search with search space partitioning. In *Proceedings of the 7th International Conference on Learning and Intelligent Optimization (LION 2013)*, Lecture Notes in Computer Science. Springer, 2013.
- [CI-6] Davide Lanti, M. Rezk, G. Xiao, and D. Calvanese. The NPD benchmark: Reality check for OBDA systems. In *Proceedings of the Eighteenth International Conference on Extending Database Technology (EDBT 2015)*, 2015.
- [CI-7] T. Bagoši, D. Calvanese, J. Hardi, S. Komla-Ebri, D. Lanti, M. Rezk, M. Rodriguez-Muro, M. Slusnys, and G. Xiao. The ontop framework for ontology based data access. In *The Semantic Web and Web Science - 8th Chinese Conference, CSWS 2014, Wuhan, China, August 8-12, 2014, Revised Selected Papers*, pages 67–77, 2014. DOI: 10.1007/978-3-662-45495-4_6.
- [CI-8] E. Kharlamov, D. Hovland, E. Jiménez-Ruiz, D. Lanti, H. Lie, C. Pinkel, M. Rezk, M. G. Skjæveland, E. Thorstensen, G. Xiao, D. Zheleznyakov, and I. Horrocks. Ontology based access to exploration data at statoil. In *Proceedings of the 14th International Semantic Web Conference (ISWC 2015)*, pages 93–112. Springer International Publishing, 2015. DOI: 10.1007/978-3-319-25010-6_6.
- [CI-9] D. Calvanese, B. Cogrel, S. K. Ebri, D. Lanti, M. Rezk, and G. Xiao. How to stay ontop of your data: Databases, ontologies and more. In *Proceedings of the 12th Extended Semantic Web Conference, Posters & Demos Track (ESWC 2015)*, 2015.
- [CI-10] D. Hovland, Davide Lanti, M. Rezk, and G. Xiao. OBDA constraints for effective query answering. In *Proceedings of the 10th International Web Rule Symposium (RuleML 2016)*, 2016.
- [CI-11] Davide Lanti, G. Xiao, and D. Calvanese. An evaluation of VIG with the BSBM benchmark. In *Proceedings of the ISWC 2016 Posters & Demonstrations Track co-located with 15th International Semantic Web Conference (ISWC 2016), Kobe, Japan, October 19, 2016.*, 2016.

Papers in Refereed National Conferences and Workshops

- [CN-12] D. Calvanese, B. Cogrel, E. G. Kalayci, S. Komla-Ebri, R. Kontchakov, D. Lanti, M. Rezk, M. R. Muro, and G. Xiao. OBDA with the ontop framework. In *Proceedings of the 23rd. Italian Symposium on Database Systems (SEBD 2015)*, 2015.

Papers in Refereed International Workshops

- [WI-13] A. Irfan, D. Lanti, and N. Manthey. Modern cooperative parallel SAT solving. In *Proceedings of The International Workshop on Pragmatics of SAT 2013*, 2013.
- [WI-14] A. Balint, D. Lanti, A. Irfan, and N. Manthey. Clas – a parallel SAT solver that combines CDCL, look-ahead and SLS search strategies. In *Proceedings of SAT Competition 2014*, volume B-2014-2 of *Department of Computer Science Series of Publications B*, page 21. University of Helsinki, Helsinki, Finland, 2014.
- [WI-15] D. Calvanese, Davide Lanti, M. Rezk, M. Slusnys, and G. Xiao. A scalable benchmark for OBDA systems: Preliminary report. In *Proceedings of the Third International Workshop on OWL Reasoner Evaluation (ORE 2014)*, volume 1207 of *CEUR Electronic Workshop Proceedings*, <http://ceur-ws.org/>, 2014.
- [WI-16] Davide Lanti, M. Rezk, M. Slusnys, G. Xiao, and D. Calvanese. The NPD benchmark for OBDA systems. In *Proceedings of the 10th International Workshop on Scalable Semantic Web Knowledge Base Systems (SSWS 2014)*, CEUR Electronic Workshop Proceedings, <http://ceur-ws.org/>, 2014.

- [WI-17] Davide Lanti, G. Xiao, and D. Calvanese. Fast and simple data scaling for OBDA benchmarks. In *Proceedings of the Workshop on Benchmarking Linked Data (BLINK 2016)*, volume 1700 of *CEUR Electronic Workshop Proceedings*, <http://ceur-ws.org/>, 2016.

Technical Reports and Project Deliverables

- [TR-18] E. Botoeva, D. Calvanese, B. Cogrel, E. G. Kalayci, S. Komla-Ebri, D. Lanti, M. Rezk, G. Xiao, A. Artale, E. Franconi, W. Nutt, , and S. Tessaris. Optique Project Deliverable D6.3. Optique Project Consortium, 2015.
- [TR-19] K. Bereta, E. Botoeva, D. Calvanese, B. Cogrel, D. Lanti, M. Rezk, S. Komla-Ebri, and G. Xiao. Optique Project Deliverable D6.2. Optique Project Consortium, 2014.
- [TR-20] D. Lanti, G. Xiao, and D. Calvanese. Cost-driven ontology-based data access (extended version). Technical report, Free University of Bozen-Bolzano, 2017.
- [TR-21] D. Lanti, M. Rezk, G. Xiao, and D. Calvanese. The NPD benchmark: Reality check for OBDA systems. Technical report. Technical report, Free University of Bozen-Bolzano, 2015. Available at <http://www.inf.unibz.it/~dlanti/techreportNPD-EDBT.pdf>.
- [TR-22] D. Hovland, Davide Lanti, M. Rezk, and G. Xiao. OBDA Constraints for Effective Query Answering (Extended Version). *ArXiv e-prints*, May 2016. Available at <http://arxiv.org/abs/1605.04263>.
- [TR-23] Davide Lanti, G. Xiao, and D. Calvanese. Data Scaling in OBDA Benchmarks: The VIG Approach. *ArXiv e-prints*, July 2016. Available at <http://arxiv.org/abs/1607.06343>.

National Journals and Newsletters in Italian

- [NTNI-24] S. Costantini, D. Lanti, and A. Paolucci. Agenti ed ontologie: verso la web intellicence. *AIDAinformazioni*, 28(2):63–86, 2011.

Other Publications

- [O-25] D. Lanti. Benchmark and optimization of OBDA systems. In *Doctoral Consortium of the 9th International Conference on Web Reasoning and Rule System (RR 2015)*, 2016. To appear.