

DIEGO CALVANESE

August 2018

1 PERSONAL DATA. Born in Innsbruck, Austria in 1966. Married, 2 children. Citizenship: Italian. Languages: Italian (mother tongue), German (mother tongue), English (C2 - IELTS).

2 EDUCATION

12/1990 MEng in Electronic Engineering, Sapienza Univ. of Rome, Italy. Final grade: 110/110 cum laude.

11/1996 Ph.D. in Computer Engineering, Sapienza Univ. of Rome, Italy.

3 EMPLOYMENT

02/1991 – 07/1992 Responsible for software development at “Ionen-Technik”, Innsbruck, Austria.

11/1996 – 08/2000 Postdoctoral Researcher at Dip. di Informatica e Sistemistica, Sapienza Univ. of Rome, Italy.

09/2000 – 10/2003 Tenured assistant professor in Computer Engineering, Sapienza Univ. of Rome, Italy.

11/2003 – 12/2014 Tenured associate professor at the Faculty of Computer Science, Free Univ. of Bozen-Bolzano, Italy.

01/2015 – Today Tenured full professor at the Faculty of Computer Science, Free Univ. of Bozen-Bolzano, Italy.

4 RESEARCH SUMMARY. Diego Calvanese is a member of the Research Centre for Knowledge and Data (KRDB) at the Faculty of Computer Science of the Free Univ. of Bozen-Bolzano, where he carries out research on Knowledge Representation in Artificial Intelligence, Databases, Information Systems, and Business Process Modeling. In these areas, he authored more than 350 publications that appeared in top-tier, international journals, conferences, and workshops, such as AIJ, JAIR, ACM TOCL, IC, JCSS, IS, SWJ, IJCAI, AAI, KR, PODS, ICDT, VLDB, EDBT, ICDE, EDBT, LICS, ISWC, BPM, CAiSE, ICSOC. He is one of the editors of the *Description Logic Handbook*. His research excellence is testified also by his bibliometric data: his current h-index is 67, and his i-10 index 205, with more than 28000 overall citations, of which more than 10000 in the last 5 years (source: Google Scholar, 22 August 2018).

He has established research collaborations with well known researchers, such as Moshe Y. Vardi (Rice Univ, USA), Richard B. Hull (IBM Research, USA), Thomas Eiter (Univ. of Vienna, Austria), Marcelo Arenas (UPC Chile), Ernest Teniente (UPC, Spain) Franz Baader (Univ. of Dresden, Germany), Alexander Borgida (Rutgers Univ., USA), and Michael Zakhariashev (Birkbeck College London, UK).

5 PROFESSIONAL SERVICES AND AWARDS. He is an active member of the scientific community in the areas of Artificial Intelligence and Databases. He is an associate editor of the two most prestigious journals in Artificial Intelligence, namely AIJ and JAIR, and a member of the editorial board of JAR and of the IOS Press series *Studies on the Semantic Web*. He is a member of the Steering Committee of the *Int. Conf. on Web Reasoning and Rule Systems (RR)*, the *Description Logic Steering Committee*, and the Advisory Team of the *CEUR Workshop Proceedings Series*. He has contributed to the organization of many conferences and scientific events, and he served on more than 100 program committee roles for international events. He has been invited many times to present his research work, and has been keynote speaker at PODS 2013, AIMS 2014, JELIA 2014, DL 2016, AMW 2016. In 2013, he received the first *South-Tyrolean Scientific Prize*, in recognition of extraordinary achievements in science and research. In 2015 he was nominated *Fellow of the European Association for Artificial Intelligence (EurAI)*.

6 RESEARCH GRANTS. He has been the coordinator and principal investigator of several international, national, and local research projects in the areas of knowledge representation, data management, and business process management, acquiring more than €2 000 000 of research funds. In particular, he has been the coordinator of the EU FP6 FET STREP project TONES (FP6-7603) and of the Euregio project KAOS (IPN12), and principal investigator in the Italian PRIN project NGS in the EU FP7 STREP project ACSI (FP7-257593) and in the EU FP7 IP project Optique (FP7-318338).

7 INSTITUTIONAL RESPONSIBILITIES

03/2004 – 10/2007 Director of the MSc Program in Computer Science;

10/2010 – 12/2013 Faculty representative in the Research Committee of the Free Univ. of Bozen-Bolzano;

01/2014 – Today Director of the PhD Program in Computer Science;

02/2015 – Today Vice-dean for Research of the Faculty of Computer Science.

8 SELECTED PUBLICATIONS

- [1] D. Berardi, D. Calvanese, and G. De Giacomo. Reasoning on UML class diagrams. *Artificial Intelligence*, 168(1–2):70–118, 2005.
- [2] D. Calvanese, G. De Giacomo, M. Lenzerini, and M. Y. Vardi. View-based query processing: On the relationship between rewriting, answering and losslessness. *Theoretical Computer Science*, 371(3):169–182, 2007.
- [3] D. Calvanese, G. De Giacomo, D. Lembo, M. Lenzerini, and R. Rosati. Tractable reasoning and efficient query answering in description logics: The *DL-Lite* family. *J. of Automated Reasoning*, 39(3):385–429, 2007.
- [4] A. Artale, D. Calvanese, R. Kontchakov, and M. Zakharyashev. The *DL-Lite* family and relations. *J. of Artificial Intelligence Research*, 36:1–69, 2009.
- [5] D. Calvanese, T. Eiter, and M. Ortiz. Answering regular path queries in expressive description logics via alternating tree-automata. *Information and Computation*, 237:12–55, 2014.