

## Biographical Sketch (2016)

Alexander T. Borgida  
Department of Computer Science  
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### Professional Preparation:

University of Toronto	Computer Science	BSc.	1973
University of Toronto	Computer Science	MSc.	1975
University of Toronto	Computer Science	PhD.	1977

### Employment history:

1993 - present Professor, Dept. of Computer Science, Rutgers University.

2007 - present Professor (status only)<sup>1</sup>, Dept. of Computer Science, University of Toronto.

1985 - 1993 Associate Professor, Dept. of Computer Science, Rutgers University

1981 - 1985 Assistant Professor, Dept. of Computer Science, Rutgers University

1979 - 1981 Lecturer/Assistant Professor, Dept. of Computer Science, University of Toronto.

Various times: Visiting or consulting researcher with Crete Institute of Computer Science FORTH, A.T.&T. Bell Laboratories (Murray Hill, NJ), Knowledge Systems Labs at Stanford University, AI Lab at SRI Menlo Park, Università di Trento.

### Professional Activities

- *Current Membership on Editorial Boards:* Journal of Applied Ontology, Journal of Data Semantics, International Journal of Intelligent Information Systems, International Journal of Cooperative Information Systems, Automated Software Engineering.
- *Recent Membership on Program Committees:* AAAI'16, KR'16, FOIS'16, AIRE'16, DL'16, AAAI'15, DL'15, IJCAI'15

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<sup>1</sup>This is the Toronto name for adjuncts who do not teach, are not paid, but are members of the graduate faculty.

## Selected Noteworthy Publications<sup>2</sup>

1. Borgida, A., Toman, D., Weddell, G. “On Referring Expressions in Query Answering over First Order Knowledge Bases”, Proc. 15th Int. Conf. on Knowledge Representation and Reasoning (KR 2016). *Winner of Ray Reiter Best Paper Prize.*
2. Atencia, M., Borgida, A., Euzenat, J., Ghidini, C., and Serafini, L. (2012). “A formal semantics for weighted ontology mappings.” In 11th Int. Semantic Web Conference (ISWC’12) (pp. 17-33). Springer Berlin Heidelberg. (*Short-listed for Best-paper prize*)
3. Greenspan, S. J., Mylopoulos, J., and Borgida, A. (1982, September). Capturing more world knowledge in the requirements specification. In Proceedings of the 6th international conference on Software engineering (pp. 225-234). IEEE Computer Society Press. (*Winner of Best Paper at ICSE n-10 Prize, awarded in 1993*)
4. Borgida, A., Brachman, R. J., McGuinness, D. L., and Resnick, L. A. (1989, June). CLASSIC: A structural data model for objects. In Proc. ACM Sigmod Conf. 1989, pp.58-67 (*Co-designer and implementor of CLASSIC KR system used by AT&T to help configure switching equipment.*)
5. Borgida, A., Mylopoulos, J., and Reiter, R. (1995). On the frame problem in procedure specifications. Software Engineering, IEEE Transactions on, 21(10), 785-798. (*Selected among 5 papers from ICSE’94 for journal publication*)

## PhD students (co\*)advised

1. William Cohen (1990). Machine Learning. Full Professor, Carnegie Mellon University. (Formerly at Bell Labs)
2. Prem Devanbu (1994). Software Engineering. Full Professor, UC Davis. (Formerly at Bell Labs)
3. Deborah McGuinness (1995), Semantic Web. Tetherless World Senior Constellation Professor, Rensselaer Polytechnic Institute (Formerly Stanford Knowledge Systems Lab and Bell Labs)
4. Mukesh Dalal (1996). Serial entrepreneur, currently at BEA Systems. (Formerly at Columbia University)
5. Yuan An\* (2007, U.Toronto). Semantic technologies, and medical informatics. Associate Professor, Drexel University.
6. Lei Jiang\* (2011, U.Toronto) Data quality. Government of Canada
7. Neil Ernst\* (2011, U. Toronto). Software Engineering. Software Engineering Institute, CMU.

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<sup>2</sup>For a list of most frequently cited publications, see <https://scholar.google.com/citations?user=S5AaMfgAAAAJ&hl=en&oi=ao>