

Alon Y. Levy

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Department of Computer Science and Engineering,
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Education

- 1988–1993 Ph.D. in Computer Science, **Stanford University**, Stanford, California.
1985–1988 B.Sc. in Computer Science and Mathematics, **Hebrew University**, Jerusalem, Israel.

Employment

- 1998– Assistant Professor, Department of Computer Science and Engineering, University of Washington.
1999– Co-founder and Chief Technologist, Nimble.com.
1993–1997 Principal member of technical staff, AT&T Laboratories.

Research Interests

Database Systems: query optimization, materialized views, data integration, XML query processing, web-site management, ubiquitous computing.

Artificial Intelligence: knowledge representation, information agents, abstraction and reformulation.

Awards and Fellowships

Alfred P. Sloan Fellow, 1999-2000.
Best paper award, American National Conference on Artificial Intelligence, AAAI-96.
Hebrew University of Jerusalem, Rector's Award, 1987.

Editorial Boards

Associate Editor, Journal of Artificial Intelligence Research, 2000-2003
Associate Editor, Data Engineering Bulletin
ACM SIGMOD Digital Review (editorial board member and associate editor)
Editorial Board, Journal of Artificial Intelligence Research 1998-1999
Electronic Transactions on Artificial Intelligence
ACM SIGMOD Annum
Guest Editor, Artificial Intelligence, special issue on Intelligent Internet Systems

Program Committees

Panel Chair, ACM SIGMOD International Conference on Management of Data, 2000.
Senior Program Committee Member, AAAI National Conference, 2000.
ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems (PODS), 1999.
ACM SIGMOD International Conference on Management of Data, 1998.
International Conference on Database Theory, 1999.
International Conference on Data Engineering, 1998, 1999, 2000.
AAAI National Conference on Artificial Intelligence, 1994, 1996, 1997, 1998 and 1999.
International Joint Conference on Artificial Intelligence, IJCAI 1995 and 1997.

Workshop Chairing:

Program Co-chair, AAAI-98 workshop on Data Integration and Artificial Intelligence.

Program Co-chair, AAAI Spring Symposium on Information Gathering in Heterogeneous, Distributed Environments, 1995.

Program Co-chair, Symposium on Abstraction, Reformulation and Approximation, SARA, 1995.

Invited talks and tutorials:

Keynote speaker, Intl. Conf. on Information and Knowledge Management, CIKM-98

Keynote speaker, French Conference on Database Systems, BDA, 1998.

Invited speaker, Workshop on Database Meets Knowledge Representation, KRDB, May, 1998.

Invited tutorial, Italian Database Conference, SEBD, 1998.

Tutorial on the Database Perspective on Knowledge Representation at AAAI-97.

Tutorial on Information Gathering and Integration at AAAI-96.

Invited talks at Stanford University, Berkeley, Information Sciences Institute, University of Maryland, George Mason University, Rutgers University, INRIA France, Microsoft Research, University of Paris-Sud, DFKI Germany, University of Rome, Hebrew University Jerusalem, Tel-Aviv University.

Selected Publications

1. D. Florescu, A. Levy, D. Suciu and K. Yagoub. Optimization of Run-time Management of Data Intensive Web Sites. *Proceedings of the 25th conference on very large databases, VLDB-99*, Edinburgh, Scotland.
2. M. Fernandez, D. Florescu, A. Levy and D. Suciu. Verifying Integrity Constraints on Web Sites. *Proceedings of the 16th International Joint Conference on Artificial Intelligence, IJCAI-99*, Stockholm, Sweden.
3. M. Fernandez, D. Florescu, J. Kang, A. Levy, D. Suciu. Catching the Boat with Strudel: Experiences with a Web-Site Management System. *Proceedings of ACM SIGMOD Conference on Management of Data*, 1998.
4. A. Deutsch, M. Fernandez, D. Florescu, A. Levy and D. Suciu. A Query Language for XML. *Proceedings World-Wide Web 8 Conference*, Toronto, June, 1999.
5. A. Levy, A. Rajaraman, J. Ordille. Querying Heterogeneous Information Sources Using Source Descriptions. *Proceedings of the 22nd conference on very large databases, VLDB-96*, Bombay, India.
6. A. Levy, A. Mendelzon, Y. Sagiv and D. Srivastava. Answering Queries Using Views. *Proceedings of the Fourteenth ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems, PODS-95*, San Jose, California, 1995.
7. A. Levy and M.C. Rousset. CARIN: A representation language combining Horn rules and description logics. *Artificial Intelligence*, 104, September, 1998.
8. Z. Ives, D. Florescu, M. Friedman, A. Levy and D. Weld. An Adaptive Query Execution Engine for Data Integration. *Proceedings of the ACM SIGMOD Conference on Management of Data*, Philadelphia, PA, 1999.
9. A. Levy, R. Fikes, Y. Sagiv. Speeding Up Inferences Using Relevance Reasoning: A Formalism and Algorithms. *Artificial Intelligence*, 97(1-2), Special Issue on Relevance.
10. A. Levy, M.C. Rousset. Verification of knowledge bases based on containment checking. *Artificial Intelligence*, 101(1-2), pages 227-250, 1998.