Alexander Dekhtyar

Department of Computer Science
University of Maryland, College Park, MD, 20742
phone: (301) 405 7388; (301) 864 5046
fax:(301) 405 6707
email: dekhtyar@cs.umd.edu
web: http://www.cs.umd.edu/∼dekhtyar/academ

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Education

Fall 1995 - present ***Ph.D. program***,
Department of Computer Science,
University of Maryland at College Park.
Expected graduation date: Summer 2000
Advisor: Professor V.S. Subrahmanian
Research Area: Uncertainty in AI and Databases

Fall 1994 - Spring 1995 ***Graduate program in Logic***,
Tver State University, Russia.
Advisor: professor M.A. Taitslin

Fall 1992 - Spring 1993 ***1 year non-degree exchange program***
American Collegiate Consortium
Department of Computer Science,
University of Alabama,

Fall 1989 - Summer 1994 ***5 year degree in Applied Mathematics and Computer Science***,
Applied Mathematics and Computer Science program,
Tver State University, Russia
Cumulative GPA: 3.8
Area of specialization: Computer Science
Advisor: Professor M.A. Taitslin
Thesis topic: Resource Transformation Nets

Spring 1982 - Summer 1989 School # 37, Tver, Russia.
Graduated with honors in mathematics, physics, English and chemistry.

Experience

Fall 1996 - present ***Research Assistant***,
Department of Computer Science,
University of Maryland at College Park.
Advisor: professor V.S. Subrahmanian
Research area: uncertainty in AI and Databases

Summer 1999 ***Instructor***,
Department of Computer Science,
University of Maryland at College Park.
Course taught: CMSC 150 - Introduction to Discrete Mathematics

Summer 1998 ***Instructor***,
Department of Computer Science,
University of Maryland at College Park.
Course taught: CMSC 106 - Introduction to C programming

Summer 1997 ***Teaching Assistant***,
Department of Computer Science,
University of Maryland at College Park.
Course : CMSC 102 - Introduction to Internet

Summer 1996 ***Instructor***,
Department of Computer Science,
University of Maryland at College Park.
Courses taught: CMSC 330 - Programming Languages;
CMSC 102 - Introduction to Internet

Fall 1995 - Spring 1996 ***Teaching Assistant***,
Department of Computer Science,
University of Maryland at College Park.
Courses: CMSC 330 - Programming Languages (fall 1996);
CMSC 452 - Theory of Computing (spring 1997).

Spring 1994 ***High School Teacher of physics***,
Tver, Russia.
Taught physics in *9th*, *10th* and *11th* grades.

Fall 1991 - Summer 1992, Fall 1993 - Summer 1994 ***Programmer***,
Computing Center,
Tver State University, Russia.
Part-time position.

Research Interests

- Uncertainty in Databases and Artificial Intelligence
- Multi-Agent Systems

- Data Mining
- Information Retrieval
- Logic Programming
- Algorithms and Complexity theory

Refereed Publications

Publications in refereed journals

- *Hybrid Probabilistic Programs* (1999), with V.S. Subrahmanian, *Journal of Logic Programming*,Volume 43, Issue 3, pp. 187 – 250 .

Conference papers

- *Temporal Probabilistic Logic Programs* (1999), with M.I. Dekhtyar and V.S. Subrahmanian, in Proceedings, 1999 International Conference on Logic Programming.
- *Hybrid Probabilistic Programs: Algorithms and Complexity* (1999) with M.I. Dekhtyar and V.S. Subrahmanian, in Proceedings of 1999 Conference on Uncertainty in Artificial Intelligence.
- *Hybrid Probabilistic Programs*, (1997) with V.S. Subrahmanian, in Proceedings of 1997 International Conference on Logic Programming (ed. L. Naish), MIT Press.
- *RT-Nets*, (1994), in Proceedings of 1994 Conference on Logic Foundations of Computer Science (LFCS'94) (ed. A. Nerode, E. Dantsin)

Workshop presentations

- *Proof Procedures for Hybrid Probabilistic Programs*, (1998), with V.S. Subrahmanian, for *Workshop on Probabilistic Logic And Randomized Computation'98*, part of *European Summer School on Logic Language and Information'99*, Saarbrueken, Germany.

Book Reviews

- Review of *Logic For Applications*, by A. Nerode and R. Shore, in SIGACT NEWS, Vol. 30, No. 3, 1999.
- Review of *Vicious Circles*, by J. Barwise and L. Moss, in SIGACT NEWS, Vol 29, No. 4., 1998.
- Review of *Reasoning About Knowledge*, by R. Fagin, J. Halpern, Y. Moses, M. Vardi, in SIGACT NEWS, Vol. 28, No. 4, 1997.

Submitted Papers

- *Probabilistic Temporal Databases I: Algebra*, (1999), with Robert Ross and V.S. Subrahmanian, submitted to *ACM Transactions on Database Systems*, also available as UMD tech report (CS-TR-3987).

Professional Activities

- Association Membership
  - Member, ACM SIGMOD, 2000
  - Member, American Association for Artificial Intelligence, 1999
  - Member, Association for Logic Programming, 1997
- Reviewer for
  - IEEE Transactions on Data and Knowledge Engineering
  - Theoretical Computer Science
  - SIGACT News (book reviews)
  - Conference on Logic Programming and Non-Monotonic Reasoning, 1999
  - International Conference on Information Systems, 1999
  - Conference on Extending Database Technology, 1999, 2000
- Department service
  - Student advisor on graduate admissions, 1999.
  - Member of Graduate Student Executive Council, Department of Computer Science, 1997 - 1999.

References

- Dr. V.S. Subrahmanian,
  Associate Professor,
  Department of Computer Science,
  University of Maryland,
  College Park, Maryland, 20742
  email: vs@.cs.umd.edu
  phone: (301) 405-2711
  fax:(301) 405-8588 or (301) 405-6707

- Dr. Jurgen Dix,
  Associate Professor
  Department of Computer Science
  University of Koblenz
  Rheinau 1
  D-56075 Koblenz, Germany
  email: dix@uni-koblenz.de
  phone: +49 261 287-277
  fax: +49 261 287-2731

- Dr. Leana Golubchik,
  Assistant Professor,
  Department of Computer Science,
  A.V.Williams building,
  University of Maryland, 20742
  email: leana@cs.umd.edu
  phone: (301) 405 2751
  fax: (301) 405 607

- Dr. Jack Minker,
  Professor Emeritus,
  Department of Computer Science,
  University of Maryland,
  College Park, Maryland, 20742
  email: minker@.cs.umd.edu
  phone: (301) 405-2676
  fax: (301) 405-6707

- Dr. Thomas Eiter[a],
  Professor,
  Knowledge-Based Systems Group,
  Department of Computer Science,
  Vienna University of Technology,
  Favoritenstr. 9-11, A-1040,
  Vienna, Austria
  email: eiter@kr.tuwien.ac.at
  phone: +43-1-58801-18460
  fax: +43-1-58801-18493

[a]Technische Universitäet Wien, Institut für Informationssysteme Abtg. Wissensbasierte Systeme (184/3),Favoritenstr. 9-11, A-1040, Vienna, Austria