

SELIM MIMAROGLU

OBJECTIVE

Faculty position in Computer Science/Engineering at a very good university.

EDUCATION

Doctor of Philosophy, Computer Science

Directed by Professor Dan A. Simovici

University of Massachusetts at Boston, MA, USA GPA 4.0/4.0 (expected) September 2008

Master of Science, Computer Science

University of Massachusetts at Boston, MA, USA GPA 3.88/4.0 May 2003

Bachelor of Science, Electrical and Electronics Engineering

Hacettepe University, Ankara, Turkey June 2000

CONFERENCE PAPERS

1. "Bit Vectors and Association Graphs for Fast Detection of Sequential Patterns" Selim Mimaroglu, Dan Simovici (submitted).
2. "Approximate Computation of Object Distances by Locality-Sensitive Hashing" Selim Mimaroglu, Dan Simovici 2008 International Conference on Data Mining - DMIN 2008 Las Vegas, Nevada, USA.
3. "Bit Sequences and Biclustering of Text Documents" Selim Mimaroglu, Dan Simovici ICDM 2007 Omaha, NE, USA.
4. "Clustering and Approximate Identification of Frequent Item Sets" Selim Mimaroglu, Dan Simovici FLAIRS 2007 Key West, Florida, USA.

TRADE JOURNAL PAPERS

1. "Storing XML in Relational Database Systems, Using the Edge Table Approach" Selim Mimaroglu, March 2006, XML Journal.
2. "Getting to Know Xindice: An Open-Source Native XML Database" Selim Mimaroglu, February 2006, XML Journal.
3. "Java Programming with Berkeley DB XML-Explained through Examples" Selim Mimaroglu, January 2006, XML Journal.
4. "An introduction to Berkeley DB XML" Selim Mimaroglu, December 2005, XML Journal.
5. "eXist An open source native XML database" Selim Mimaroglu, November 2005, XML Journal.

6. "Generating XML from Relational Database Tables" Selim Mimaroglu, October 2004, XML Journal.

RESEARCH INTERESTS

1. Data Mining, especially following:
 - Clustering,
 - Text Mining,
 - Frequent Item Set and Pattern Mining,
 - Approximate methods, and
 - High performance binary methods.
2. Semi-structured data and XML
 - Query languages
 - Storage and fast retrieval
3. Databases
 - Indexing techniques
 - Native XML databases

TEACHING EXPERIENCE

University of Massachusetts at Boston, Computer Science Department
Instructor

- CS310: Advanced Algorithms and Data Structures
- CS105: An introduction to Computer Concepts

University of Massachusetts at Boston, Computer Science Department
Teaching Assistant

- CS310: Advanced Algorithms and Data Structures
- CS430: Database Management Systems
- CS630: Database Management Systems
- CS634: Architecture of Database Systems
- CS639: Semi-Structured Data and XML Documents on the Web
- CS651: Compilers

University of Massachusetts at Boston, Upward Bound
Instructor

- Calculus
- Pre-Calculus
- Algebra

WORK EXPERIENCE

United States Bankruptcy Court, District of Massachusetts
Information Technology Department
Software Engineer

- Database design, and maintenance
- Java, Perl, SQL and C++ programming

May 2002 - 2005

- Web technologies and XML
- Developed an automated telephony system: Voice Case Information

University of Massachusetts at Boston, Computer Science Department
Database Administrator

- User account maintenance
- JDBC setup, general help, etc.

USA National Science Foundation, Grant Number 0241229, Awarded Amount \$559,245
Researcher

This international collaborative project focuses on the following:

- Design and test approaches to mark-up and extraction of scientific data from a corpus drawn from the biosystematics literature of entomology
- Develop a set of applications, and XML schemas (e.g. TaxonX) for digitizing data.

HONORS and AWARDS

1. Recipient of the “Randall G. Malbone Fellowship in Mathematics and Computer Science” April, 2008 from University of Massachusetts at Boston.
2. Recipient of the award for “Outstanding Achievement in Computer Science” May 31, 2007 from University of Massachusetts at Boston.
3. Recipient of the award for “Outstanding Achievement in Computer Science” May 31, 2003 from University of Massachusetts at Boston.
4. Recipient of the “Award of Excellence” May 19, 2003 from United States Bankruptcy Court District of MA.
5. Money award September 12, 2003 from United States Bankruptcy Court District of MA.
6. Recognized as “Communicator Community Leader” by Sleepycat Software (now a division of Oracle), January 2006.

MEMBERSHIPS

ACM
IEEE
Golden Key International Honor Society
New England Database Society (NEDS)
University of Massachusetts at Boston Data Mining Group

REFERENCES

References available upon request