

## NEOKLIS POLYZOTIS

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### EMPLOYMENT

2003-present: Assistant Professor, UC Santa Cruz  
1998-2003: Research Assistant, Univ. of Wisconsin at Madison  
Summer 2001: Summer Intern, Bell Labs, New Jersey  
1996-1997: Instructor on UNIX seminars, Open Systems Ltd., Athens, Greece  
1994-1996: System administrator, Computer Center for the Dept. of Electrical and Computer Engineering, National Tech. University of Athens, Greece  
1993-1994: System administrator, High-performance Computer Laboratory, National Tech. University of Athens, Greece

### EDUCATION

Aug 2003: Ph.D. in Computer Sciences, Univ. of Wisconsin at Madison  
Thesis Title: Statistical Synopses for XML Data  
Advisor: Yannis Ioannidis  
May 2000: M.Sc. in Computer Sciences, Univ. of Wisconsin at Madison  
GPA: 4.0/4.0  
Jun 1997: Diploma in Electrical and Computer Engineering, National Technical University of Athens, Greece  
GPA: 9.6/10  
Thesis Title: A constraint-based, threaded toolkit for graphical user interfaces  
Advisor: Timos Sellis

### REFEREED PUBLICATIONS

- Neoklis Polyzotis, Minos Garofalakis, Yannis Ioannidis, “Approximate XML Query Answers”, in *Proceedings of ACM SIGMOD International Conference on Management of Data*, Paris, France, 2004.
- Natasha Drukh, Neoklis Polyzotis, Minos Garofalakis, Yossi Mattias, “Fractional XSketch Synopses for XML Data”, in *Proceedings Second International XML Database Symposium (XSym)*, Toronto, Canada, 2004.
- Neoklis Polyzotis, Minos Garofalakis, Yannis Ioannidis, “Approximate Twig-Query Processing”, in *3rd Hellenic Data Management Symposium*, Athens, Greece, 2004.

- Neoklis Polyzotis, Minos Garofalakis, Yannis Ioannidis, “Selectivity Estimation for XML Twigs”, in *Proceedings of IEEE International Conference on Data Engineering (ICDE’2004)*, Boston, MA, 2004.
- Neoklis Polyzotis and Yannis Ioannidis, “Speculative Query Processing”, in *Proceedings of First Biennial Conference on Innovative Data Systems Research (CIDR)*, Asilomar, California, 2003.
- Neoklis Polyzotis and Minos Garofalakis, “Value and Structure Synopses for XML Data Graphs”, in *Proceedings of International Conference on Very Large Databases (VLDB)*, Hong-Kong, August 2002.
- Neoklis Polyzotis and Minos Garofalakis, “XSketch Synopses for XML”, in *1st Hellenic Data Management Symposium*, Athens, Greece, August 2002.
- Neoklis Polyzotis and Minos Garofalakis, “Statistical Synopses for Graph-Structured XML Databases”, in *Proceedings of ACM SIGMOD International Conference on Management of Data*, Madison, Wisconsin, 2002.

#### CHAPTERS IN BOOKS

- Minos Garofalakis, Neoklis Polyzotis, ”Very Large Databases”, Wiley Encyclopedia of Computer Science and Engineering (ed. Benjamin W. Wah).

#### RECENT TALKS

- “Approximate XML Query Answers”  
ACM SIGMOD 2004 Conference, Paris, France, June 2004
- “Selectivity Estimation for XML Twigs”  
IEEE ICDE 2004 Conference, Boston, MA, March 2004
- “Speculative Query Processing”  
CIDR 2003 Conference, Asilomar, CA, January 2003
- “Structure and Value Synopses for XML Data Graphs”  
VLDB 2004 Conference, Hong Kong, August 2002
- “Statistical Synopses for Graph-Structured XML Data”  
ACM SIGMOD 2002 Conference, Madison, WI, June 2002

#### PROFESSIONAL SERVICE

Program Committee member for:

- 2nd International XML Database Symposium (XSym) 2004.

- IEEE International Conference on Data Engineering (ICDE) 2005
- IEEE International Conference on Data Mining (ICDM) 2005
- International Conference on Management of Data (COMAD) 2005
- ACM SIGMOD International Conference on Management of Data (SIGMOD) 2005

Reviewer for:

- Journals: ACM TOIT, IEEE TKDE, IS, VLDB J.
- Conferences: SIGMOD 2004, PODS 2004, SIAMDM 2004, PKDD 2004, CIKM 2004, VLDB 2003.

#### AWARDS AND HONORS

- 2003: UCSC General Non-Tenured Faculty Development Award
- 1999: Departmental Research Assistantship for first year graduate students, University of Wisconsin at Madison (awarded to five students overall)
- 1997: National Fellowship Foundation of Greece (IKY) Award for academic excellence
- 1994-1997: Annual Technical Chamber of Greece (TEE) Award for academic excellence

#### PERSONAL DATA

- Single, born in Johannesburg, South Africa (Greek National)
- Languages spoken: Greek (native), English (fluent), French (advanced), Italian, Spanish (elementary)