

## Suzan L. Köknar-Tezel

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CONTACT INFORMATION Department of Computer Science  
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CITIZENSHIP USA

RESEARCH INTERESTS Time series, imbalanced data sets, shape retrieval

EDUCATION **Temple University**, Philadelphia, Pennsylvania USA

Ph.D., Computer and Information Sciences, January 2011

- Thesis Title: Optimal Subsequence Bijection and Classification of Imbalanced Data Sets
- Advisor: Dr. Longin Jan Latecki, Associate Professor
- Area of Study: Time Series classification, imbalanced data sets, shapes as sequences, shape retrieval

**Saint Joseph's University**, Philadelphia, Pennsylvania USA

M.S., Computer Science, May 1993

B.S., Computer Science, May 1985

- *Cum Laude*
- Minor in Mathematics

**Boğaziçi Üniversitesi**, Istanbul, Turkey

Computer Programming, June 1981

ACADEMIC EXPERIENCE **Saint Joseph's University**, Philadelphia, Pennsylvania USA

*Assistant Professor* **January 2011 to present**

**Saint Joseph's University**, Philadelphia, Pennsylvania USA

*Visiting Instructor* **August 2001 to January 2011**

**Atlantic Cape Community College**, Mays Landing, New Jersey USA

*Assistant Professor of CIS* **January 1998 to August 2001**

**Saint Joseph's University**, Philadelphia, Pennsylvania USA

*Adjunct* **August 2000 to May 2001**

**August 1995 to December 1997**

**Philadelphia University**, Philadelphia, Pennsylvania USA

*Adjunct* **September 1994 to December 1994**

**Saint Joseph's University**, Philadelphia, Pennsylvania USA

*Teaching Assistant*

**January 1992 to May 1993**

**Middle Township School District**, Cape May Court House, New Jersey USA

*Substitute Teacher*

**October 1988 to June 1989**

JOURNAL  
ARTICLES

Köknar-Tezel, S. and L. J. Latecki. *Improving SVM Classification on Imbalanced Time Series Data Sets with Ghost Points*. Knowledge and Information Systems, June 2010.

Tezel, A., S. Köknar-Tezel, and G. McManus. *A Goal Seek Macro for Sensitivity Analysis*. Advances in Financial Education, Volume 4, Fall 2006.

Tezel, A., and S. Köknar-Tezel. *On Using Volatility Bands*. Technical Analysis of Stocks & Commodities, October 1997.

REFEREED  
CONFERENCE  
PAPERS

Köknar-Tezel, S. and L.J. Latecki. *Improving SVM Classification on Imbalanced Data Sets in Distance Spaces*. IEEE Int. Conf. on Data Mining (ICDM 2009), December 2009, Miami, Florida, USA. (*Acceptance Rate (regular papers) = 9%*).

Yang, X., S. Köknar-Tezel, and L.J. Latecki. *Locally Constrained Diffusion Process on Locally Densified Distance Spaces with Applications to Shape Retrieval*. Proceedings of the IEEE Conf. on Computer Vision and Pattern Recognition (CVPR 2009), June 2009, Miami, Florida, USA. (*Acceptance Rate = 26.2%*).

Latecki, L.J., Q. Wang, S. Köknar-Tezel, and V. Megalooikonomou. *Optimal Subsequence Bijection*. Proceedings of the 7th IEEE Int. Conf. on Data Mining (ICDM 2007), October 2007, Omaha, Nebraska, USA. (*Acceptance Rate = 19%*).

Latecki, L.J., S. Köknar-Tezel, Q. Wang, and V. Megalooikonomou. *Sequence Matching Capable of Excluding Outliers*. Workshop on Time Series Classification at ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD), August 2007, San Jose, CA, USA.

Tezel, A., and S. Köknar-Tezel. *Z-System: A Technical System Beats the Buy-and-Hold Strategy*. Eastern Finance Association Meeting, April 1997, Panama City, FL, USA.

OTHER  
CONFERENCE  
PAPERS

Tezel, A., S. Köknar-Tezel, and G. McManus. *A Goal Seek Macro for Sensitivity Analysis*. 2004 Global Trends Conference of the Academy of Business Administration, December 2004, Jamaica.

Tezel, A., and S. Köknar-Tezel. *A Spreadsheet Macro and a Two-Stage Residual Income Growth Model*. Financial Management Association, Annual Meeting, October 2003, Denver CO, USA.

SUBMITTED FOR  
REVIEW

Köknar-Tezel, S. and L. J. Latecki. *Sequence matching as subsequence bijection*.

Yang, X., X. Bai, S. Köknar-Tezel, and L. J. Latecki. *Densifying Distance Spaces*.

PROFESSIONAL  
EXPERIENCE

**Saint Joseph's University**, Philadelphia, Pennsylvania USA

*Systems Manager*

**July 1994 to May 1996**

- Had full responsibility for running, maintaining, and upgrading the Administrative Computing Department's Data General Aviiion 5225 running DG/UX UNIX 5.4R3.1.
- Maintained the data base management system uniVerse 7.3.3 and the data base files.
- Maintained security on the system with almost 400 users
- Designed and implemented a data base information entry system. for the Office of Development that comprised 20 screens of data entry
- Worked with the system users, answering their questions, troubleshooting their problems, and training them on the use of the system.

*Programmer*

**December 1993 to July 1994**

- Worked in the Administrative Computing Department
- Designed, created, modified, and debugged programs written in DataBasic for the offices of Development, the Registrar, the Treasurer, and others.

**Boğaziçi Üniversitesi**, Istanbul, Turkey

*Systems Analyst*

**July 1986 to September 1988**

- Maintained the CDC Cyber 170/815 using NOS 1.0.
- Helped install and maintain the university's connection to the EARN Network
- Designed, implemented, and maintained all the software for the Registrar's Office

ASSOCIATIONS

Association for Computing Machinery (ACM). Member since 1999.

Institute of Electrical and Electronics Engineers (IEEE). Member since 2009.