

Nurcan Yuruk

Associate Professor of Instruction
Department of Computer Science
The University of Texas at Dallas
(972) 883-3575
nurcan.yuruk@utdallas.edu

Education

- Ph.D. Applied Computing, University of Arkansas at Little Rock, 2008
- B.S. Computer Science, Dokuz Eylul University, Turkey, 2001

Experiences

- *Associate Professor of Instruction*, Department of Computer Science, The University of Texas at Dallas, Fall 2020-present
Courses Taught:
CS/SE 4347 Database Systems
CS 6360 Database Design
CS 6314 Web Programming Languages
- *Assistant Professor of Instruction*, Department of Computer Science, The University of Texas at Dallas, Fall 2014-Spring 2020
Courses Taught:
CS 6360 Database Design
CS 6314 Web Programming Languages
- *Adjunct Faculty*, Department of Computer Science and Information Systems, Texas A&M University-Commerce, Spring 2014 – Summer 2014
Courses Taught:
CSCI 527 Advanced Databases and Data Mining
CSCI 524 Analysis and Design of Software Systems
CSCI 515 Fundamentals of Programming Languages
CSCI 597 C++ Programming Lab
- *Graduate Assistant*, University of Arkansas at Little Rock, 2004-2008
- *Software Engineer & Project Manager*, Turkiye Online, Istanbul, Turkey, 2003
- *Software Engineer*, Manisa, Turkey, 2002

Publications

Book Chapters

1. Xiaowei Xu, Mutlu Mete, Nurcan Yuruk, Daniel Berleant. "Knowledge Discovery in Textual Databases: A Concept-Association Mining Approach", *Data Engineering: Mining, Information, and Intelligence* by Springer, 2009
2. Mutlu Mete, Fusheng Tang, Xiaowei Xu, Nurcan Yuruk, Finding Functional Modules, *Systems Biology of Signaling Networks*, 253-273, Springer, ISBN: 978-1-4419-5796-2, 2010

Journal Publications

3. Mutlu Mete, Fusheng Tang, Xiaowei Xu, Nurcan Yuruk. "A Structural Approach for Finding Functional Modules from Large Biological Networks", *BMC Bioinformatics* 2008, 9, S19, (Journal Impact Factor: 3.78)

Refereed Conference Publications

4. Sinan Kockara, Mutlu Mete, Tansel Halic, Nurcan Yuruk, Muhyeddin Ercan, Ashley Lawrence, "Fractals for Malignancy Detection in Dermoscopy Images", ICHI, 2015, 2015 International Conference on Healthcare Informatics (ICHI), 2015 International Conference on Healthcare Informatics (ICHI) 2015, pp. 115-121.
5. Nurcan Yuruk, Mutlu Mete, Xiaowei Xu, Thomas A. J. Schweiger. "AHSCAN: Agglomerative Hierarchical Structural Clustering Algorithm for Networks", International Conference on Advances in Social Network Analysis and Mining (**ASONAM'09**), Athens, Greece, July 20-22, 2009
6. Chuanlei Zhang, William B. Hurst, Rathinasamy B. Lenin, Nurcan Yuruk, Srinivas Ramaswamy. "Analyzing Organizational Structures Using Social Network Analysis", 5th International Workshop on Enterprise & Organizational Modeling and Simulation (**EOMAS 2009**), in conj. with the 21st International Conference on Advanced Information Systems (**CAISE 2009**), Amsterdam, The Netherlands, June 8-9, 2009. Proceedings: Lecture Notes in Business Information Processing by Springer, vol. 34, pp. 143-156, 2009
7. Nurcan Yuruk, Xiaowei Xu, Chen Li, Jeffrey Xu Yu. "Supporting Keyword Queries on Structured Databases with Limited Search Interfaces", 13th International Conference on Database Systems for Advanced Applications (**DASFAA 2008**), New Delhi, India, March 19-21, 2008. Proceedings: Lecture Notes in Computer Science by Springer, Volume 4947, pp. 43-439, 2008
8. Nurcan Yuruk, Xiaowei Xu, Thomas A.J. Schweiger, "On Structural Analysis of Large Networks", 41st Annual Hawaii International Conference on System Sciences (**HICSS 2008**), January 7-10, 2008. Proceedings: IEEE Computer Society.
9. Zhidan Feng, Xiaowei Xu, Nurcan Yuruk, Thomas A. J. Schweiger. "A Novel Similarity-Based Modularity Function for Graph Partitioning", 9th International Conference on Data Warehousing and Knowledge Discovery (**DaWaK 2007**), Regensburg, Germany, 3-7 September 2007. Proceedings: Lecture Notes in Computer Science by Springer, Volume 4654/2007, pp. 385-396.
10. Nurcan Yuruk, Mutlu Mete, Xiaowei Xu, and Thomas Schweiger, "A Divisive Hierarchical Structural Clustering Algorithm for Networks", International Workshop on Mining Graphs and Complex Structures, 7th IEEE International Conference of Data Mining (**ICDM 2007**), October 28-31, 2007, Omaha, Nebraska
11. Xiaowei Xu, Nurcan Yuruk, Zhidan Feng, and Thomas A. J. Schweiger. "SCAN: A Structural Clustering Algorithm for Networks", 13th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (**SIGKDD'07**), San Jose, CA, Aug. 12-15, 2007. (**Acceptance rate: 8%**)

12. Xiaowei Xu, Mutlu Mete, Nurcan Yuruk. "Mining concept associations for knowledge discovery in large textual databases", 20th Annual ACM Symposium on Applied Computing (**ACM SAC 2005**), March 13-17, 2005, Santa Fe, New Mexico

Honors and Awards

- The Erik Jonsson School of Engineering and Computer Science, Outstanding Faculty Teaching Award, 2015
- University of Arkansas at Little Rock, 4.0 GPA Award, 2008

Departmental Activities and Committees

- Undergraduate Curriculum Committee - Member
- UTDesign Capstone Project – Faculty Advisor

University Activities and Committees

Faculty Advisor for Eta Iota Chapter of Gamma Sigma Sigma National Service Sorority

Membership in Professional Organizations

- IEEE Computer Society
- ACM SIGCSE