

Abdullah N. Arslan

Education

PhD	Computer Science	UC Santa Barbara	2002
MS	Computer Science	U. of North Texas	1996
BS	Computer Engineering	Middle East Tech. U.	1990

Academic experience

Texas A&M U. – Commerce	Assoc. Prof. (with tenure)	2016-present	Full Time
Texas A&M U. – Commerce	Assistant Prof.	2009-2016	Full Time
U. of Vermont	Assistant Prof.	2002-09	Full Time
UC Santa Barbara	Teaching Assoc.	Spring 2001	Part Time
UC Santa Barbara	Research/Teach. Assist.	1996-2002	Part Time
U. of North Texas	Teaching Fellow	1995-96	Part Time

Non-academic experience

The Central Bank of Turkey	Programmer	1991-94	Full Time
Yumak Bilgisayar	Programmer	1989-91	Part Time

Certifications or professional registrations

Certificate on DB2	IBM	1992
Certificate on Natural-Predict	Software AG	1993

Honors and awards

2015-2018	NSF Funding, single PI, \$76,756, “Efficient Search, Comparison, and Annotation for Biological Sequences”
2013	Lockheed Martin Best Paper Award
2010-2011	Texas A & M System Teaching Excellence Award
2005-2008	NSF Funding, co-PI, \$200,000, “Pattern Matching with Wildcards and Length Constraints”
1994-2002	Full scholarship of Turkish Ministry of Education for graduate study in computer science, selected after a nation-wide exam open for all CS graduates in Turkey
1985-1990	Financial support of Turkish Education Foundation for undergraduate study chosen for being city champion in the University Entrance Exam in 1985

Service activities

Texas A&M U. – Commerce: Faculty Senator, LeoTeach Council Member, Served the CS Department: Graduate Student Advisor, MS Comprehensive Exam Coordinator, Member of PhD Program Proposal Task Force; Member of Faculty Search Committee. Prepared parts of MS Comprehensive Exams, Chair of Scholarship Committee, Coordinator of Computational Science Master's program, Member of Admissions Committee, Chair of CS Scholarships Committee

U. of Vermont: Served for the CS department as the library liaison, webmaster, coordinator of technical reports, member in curriculum committee, member in graduate admissions committee, prepared and graded PhD Comprehensive Exam on algorithms, theory of computation, and operating systems

Service in Conferences: Steering Committee Member of BIOT, 2007-2010; served on Program Committee of CIBCB 2006, 2007, BIBM 2007-2012, ACCV; Reviewed Papers for SODA, CPM, RECOMB, CIAA, PDCS, HIBIT 2008-2012, CIBCB, COCOON, BiCoB 2018, 2019

Invited Lecturer for Graduate Bioinformatics Summer School in Istanbul, Turkey, in 2004, organized by Ege Univ., Yeditepe Univ. of Turkey, and Berlin Tech. Univ. of Germany.

Editor for International Journal of Data Mining, Modelling and Management since 2009

Refereed for journals: Pattern Recog., IEEE Tran. on Pattern Anal. and Mach. Intel. (TPAMI), IEEE/ACM Trans. on Comp. Bio. and Bioinf. (TCBBSI), Know. and Inf. Sys. (KAIS), J. of Math. Bio., Bioinformatics (JMB), Theo. Comp. Sci. (TCS), IEEE Trans. on Know. Eng. (TKDE), Inf. Proc. Let. (IPL), Data and Know. Eng. (DKEJ), Information Sciences (INS), Bioinformatics, Inf. Sci. (INS), Inf. and Comp., J. of Disc. Alg., book chapters for Encyc. of Data Warehousing and Mining, 2nd Edition, Far East J. of Mathematical Sciences, Algorithmica

Select most recent publications

Arslan, A. N., Anandan, J., Fry, E., Monschke, K., Ganneboina, N., Bowerman, J. (2017) Efficient RNA Structure Comparison Algorithms. *Special Issue of J. of Bioinformatics and Computational Biology*, World Scientific, Vol. 15, No. 6

Arslan, A. N, He, D., He. Y., and Wu, X. (2015) Pattern Matching With Wildcards and Length Constraints. *Journal of Discrete Algorithms*, Vol. 35, pp. 9-16.

Arslan, A. N. (2015) Fast Algorithms for Local Similarity Queries in Two Sequences (2015) *International Journal of Foundations of Computer Science*, Vol. 26, No. 5, 625–642.

Arslan, A. N., George, B., and Stor, K. (2015) New Algorithms for Pattern Matching with Wildcards and Constraints (2015) *Discrete Mathematics, Algorithms, and Applications*, Vol. 7, No. 3, 1550032