



## CURRICULUM VITAE

Dr. Zeynep ALTAN graduated from Istanbul Technical University, Faculty of Science and Letters in 1980 as a Mathematical Engineer. In 1984, she completed her master studies at Istanbul Technical University, Institute of Science and Technology, System Analysis Department. She received her Ph.D. degree in Numerical Methods from the University of Istanbul in 1990. Until 2002, she worked as a lecturer at the Computer Engineering Department of Istanbul University. During her lecturer at Istanbul University, she taught the courses Software Engineering, Formal Languages and Automata Theory, Computer Graphics. Since 2008, she is lecturer at Beykent University, Faculty of Engineering and Architecture, Department of Software Engineering and since 2013 she has been working as the Head of Department of Software Engineering. The lessons she teaches are Introduction to Software Engineering, Software Requirements Engineering, Software Quality Assurance and Testing, Software Engineering Studio and Design Patterns. She continues her studies in the area of Software Engineering.

### Publications

#### 1.1. Articles Published on International Refereed Journal

**1.1.1.** Orhan, Z. ve Altan Z., "Impact of Feature Selection for Corpus-Based WSD in Turkish," Lecture Notes in Artificial Intelligence, 5th Mexican International Conference on Artificial Intelligence Proceedings, 4293, 868-878, ISSN 0302-9743(Print) 1611-3349 (Online), (2006).

**1.1.2.** Orhan Z. ve Altan Z., "Word Sense Disambiguation for Semantic Applications," Lecture Notes in Informatics, I. Int. Applications of Semantic Techn. Workshop, 94(2) , 321-328, ISSN 1617-5468, (2006).

**1.1.3.** Aysan M, Demir A., Altan Z. ve Dökmeci V. "Industrial Decentralization in Istanbul and its Impact on Transport," Journal of Urban Planning and Develop. 123(3), 40- 58, ASCE, ISSN 0733-9488, (1997).

#### 1.2. Proceedings Presented and Published at International Conferences

**1.2.1.** Altan Z. "The Role of Software Engineering Education on Digital Transformation to Industry 4.0", International Conference on Research in Education and Science, , Marmaris, in Abstract Book p.320, 28.04-01.05.2018.

**1.2.2.** Altan Z. "The Obligation of Software Engineering Students to Learn the Digital Conversation Contribution", 2.International Vocational Science Symposium, Antalya, in Abstract Book: 449-450, 26-29 April .2018

**1.2.3.** Altan Z. "Generalization of n-Dimensional Matrix Problems with 4-Way 2-Dimensional Finite State Automaton", 8th International Conference on Image Processing, Wavelet and Applications (WW2016), Marmara University, In Abstract Book p.36., 22-24 September 2016.

**1.2.4.** Altan Z. "The Importance of Ontology in Software Engineering Education Programs", International Science and Technology Conference (2016 ISTE) July 2016, in TOJSAT (The Online Journal of Science and Technology) January 2017 volume 7,issue 1, 119-126, ISSN 2146-7390.

**1.2.5.** Orhan Z. ve Altan Z., "Effective Features for Disambiguation of Turkish Verb," Int. Enformatika Conference Proc. of World Academy of Computer Science, Engineering and Technology, 7, Pragma ,pp. 182-186, ISSN 1307-6884, 2005.

- 1.2.6** Orhan Z. ve Altan Z., "Determining Senses for Word Sense Disambiguation in Turkish," Int. Enformatika Conference Proc. of World Academy of Computer Science, Engineering and Technology, 7, Pragma, pp.187-192, ISSN 1307-6884, 2005.
- 1.2.7** Orhan Z ve Altan Z., "Determining Senses for Word Sense Disambiguation in Turkish," , Abstract Booklet 29th Annual Conference of the German Classification Society,(GfKl 2005), Magdeburg, 85, 2005.
- 1.2.8.** Altan Z., "A Turkish Automatic Text Summarization System," Proc. Int. Conferenceon Artificial Intellegence and Applications, pp. 311-316, Innsbruck, ACTA Press, 2004.
- 1.2.9.** Orhan Z. ve Altan Z., "Disambiguation of Turkish Word Senses By Supervised Statistical Methods," Proc.12th Int. Turkish Symposium Artificial Intelligence and Neural Networks, Çanakkale,2003.
- 1.2.10.** Altan Z. ve Acar D., "Turkish Natural Language Interface: CevapVer," Proc. 17th Int. Symposium on Computer and Information Sciences, pp.187-191, Florida,2002.
- 1.2.11.** Altan Z. ve Sarısakal N., Otos: A Turkish Tool for Students Delivering the Faculty Information Using Wap Technology, "NAISO Networked Learning", ICSC-NAISO Academic Pres, Berlin, 2002.
- 1.2.12.** Altan Z., "Visual Basic Application of Earley Algorithm," Proc. Int. Conference on Electrical and Electronics Engineering, pp.372 - 377, Bursa,2001.
- 1.2.13.** Altan Z., "The Annotation of Turkish Corpora for the Inference of Semantics," Proc. 16th Int. Symposium on Computer and Information Sciences , pp.201 - 208, Antalya,2001.
- 1.2.14.** Altan Z. ve Çetiner B., "Morphological Analysis of Turkish Verbs Including Derivational Suffixes as Voice Affixes," 10th International Conference on Turkish Linguistics , Istanbul, 2000.
- 1.2.15.** Altan Z., "Probabilistic Earley Parsing in Natural Language Processing," Satellite Conference of the 2th European Congress of Mathematics, Kosice,1996.
- 612.16.** Aysan M., Dökmeci V, ve Altan Z. "A Dynamic Lowry Model Calibration: Case Study of Istanbul", Proc. the 5th World Congress of the RSAI, CS4-12-1-(1)-(11), Tokyo,1996.
- 1.2.17.** Gezici F, Dökmeci V. ve Altan Z., "Evaluation of Alternative Location Service and Manufacturing With Respect to Restructuring of Istanbul," . Abstract the 8th Association of European Schools of Planning(AESOP), p. 173, Istanbul,1994.
- 1.2.18.** Altan Z., "Determination of Socio-Economic Impacts of South-Eastern Anatolia Project (GAP) Using Input-Output Analysis," 32th Regional Science Association European Congress, Brussels,1992.
- 1.2.19.** Altan Z., "The Treatment of Occupation Distributions in Istanbul; Constituting an Input Output Model in a Demographic Framework", 31 th Regional Science Association European Congress, Lisbon,1991.
- 1.2.20.** Altan Z. ve Merih K., "Simulation of a Urban Planning Model with one of the Spreadsheet Programs," Proc. 5 th Int. Symposium on Computer and Information Science, (II), pp.1231- 1241, Nevşehir, 1990.
- 1.2.21.** Altan Z. ve Merih K., "Electronic Table Simulation in Dynamic Systems and its Application to Urban Planning," 30th Regional Science Association European Congress, Istanbul,1990.

### **1.3. Published Articles on National Refereed Journals**

- 1.3.1.** Kaya Umut, Altan Z., "An Ontology Design to Represent Academic Researches", Beykent Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol. 10, no. 2, pp. 93–112, Dec. 2017. ISSN:1307-3818.
- 1.3.2.** Razbonyalı C. ,Altan Z., The Comparation of Traditional and Big Data Analysis, Journal of Selcuk International Science and Technology , vol. 1, no. 1, pp. 1–9, Nov. 2017.
- 1.3.3.** Altan Z., "Yazılım Mühendisliği Bilgi Alanlarındaki Gelişmelerin Eğitim Programlarına Uyarlanması'nın Önemi", Yönetim Bilişim Sistemleri Dergisi, Cilt 1 Sayı , 2 pp. 161-17., 2015. ISSN:2148-3752.
- 1.3.4.** Altan Z., "Yazılım Mühendisliği Eğitim Programları ve Bıçimbilimsel Yöntemlerin Rolü", İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, (18) pp. 1-30, ISSN:1305-7820, 2010
- 1.3.5.** Orhan Z. ve Zeynep Altan Z., "Determining Effective Features For Word Sense Disambiguation In Turkish," Istanbul University Journal of Electrical&Electronic Engineerings, 5(2), pp. 1341-1352, ISSN 1303-0914, 2005.
- 1.3.6.** Altan Z., "The Role of Morphological Analysis in Natural Language Processing," Anadolu University Journal of Sciences and Technology, 3(1), pp. 59-76, ISSN 1302-3160, 2002.
- 1.3.7.** Altan Z. ve Sarısakal N., "Generation of a Wireless Student Automation System," Istanbul University Journal of Electrical&Electronics Engineering, 2(1) ,pp. 327-334, 2002.
- 1.3.8.** Altan Z. ve Yanık E., "Kelime Anlamlarının İstatistiksel Çıkarımı İçin Metin Örneklerinin İşlenmesi," Istanbul University Journal of Electrical&Electronics Engineering, 1(2), pp. 287-295, ISSN 1303-0914, 2001.
- 1.3.9.** Altan Z., "Bilgi Tabanlı Bir Yönetim Sisteminde Kavramsal Modellemenin Önemi," Istanbul University Journal of Electrical&Electronics Engineering, 1(1), pp. 143-147, ISSN 1303-0914, 2001.

**1.3.10.** Aysan M., Demir O., Altan Z. ve Dökmeci V., “İstanbul’da Sanayinin Desentralizasyonu ve Kentsel Ulaşım Etkisi,” O.D.T.Ü. Mimarlık Fakültesi Dergisi,15(1-2), ISSN 0258-5316, pp. 53-74, 1995.

#### **1.4.Articles Presented and Published at National Conferences**

**1.4.1.** Altan Z., “Gereksinimler Mühendisliğinin Yazılım Ürünü Geliştirilmesindeki Önemi, YBS 2015 2. Ulusal Yönetim Bilişim Sistemleri Kongresi, Bildiriler Kitabı 565-575. 8-10 Ekim 2015, Atatürk Üniversitesi, Erzurum 2015.

**1.4.2.** Altan Z., “Yazılım Mühendisliği Bilgi Alanlarındaki Gelişmelerin Eğitim Programlarına Uyarlanması Önemi” , YBS 2014 1. Ulusal Yönetim Bilişim Sistemleri Kongresi, 16-17 Ekim 2014, Boğaziçi Üniversitesi.

**1.4.3.** Altan, Z. “Yazılım Testinde Sonlu Durum Otomatlarının Kullanılması”, Akademik Bilişim 2013 XV. Akademik Bilişim Bildirileri, 1016-1021, 23-25 Ocak 2013 Akdeniz Üniversitesi.

**1.4.4.** Altan Z., “Yazılım Mühendisliği Proje Derslerine Endüstriyel Yaklaşım”, Akademik Bilişim 2013 XV. Akademik Bilişim Bildiriler, 1022-1025 , 23-25 Ocak 2013 Akdeniz Üniversitesi.

**1.4.5.** Altan Z. 2Beykent Üniversitesi Yazılım Mühendisliği Lisans Programı”, Akademik Bilişim 2010, XII. Akademik Bilişim Bildirileri, 573-580, 10-12 Şubat 2010- Muğla Üniversitesi.

**1.4.6.** Zeynep Altan, ”Yazılım Mühendisliği Lisans Programının Temel İlkeleri” IV. Elektrik Elektronik Bilgisayar Biyomedikal Mühendislikleri Eğitim Sempozyumu, 184,194, 22-24 Kasım 2009, Eskişehir.

**1.4.7.** Altan Z. ve Orhan Z. , "Anlam Belirsizliği İçeren Türkçe Sözcüklerin Hesaplamalı Dilbilim Uygulamalarıyla Belirginleştirilmesi," 20. Ulusal Dilbilim Kurultayı, İstanbul 2006.

**1.4.8.** Altan Z., "Bilişsel Bilim Bağlamında Dilbilim ve Bilgisayar Bilimlerindeki Önemi," Bilimde Modern Yöntemler Sempozyumu , 69-76, Kocaeli, 2005.

**1.4.9.** Orhan Z. ve Altan Z., “ Makine Öğrenme Algoritmalarıyla Türkçe Sözcük Anlamı Açıklaştırma,” Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu, 344-348, ve MakinaTek dergisi ,92, 100-104, 2005.

**1.4.10.** Orhan Z. ve Altan Z., “ A Word Sense Disambiguation Application for Turkish”, Mühendislik Bilimleri Genç Araştırmacılar I. Kongresi, 23-30, İstanbul, 2003.

**1.4.11.** Altan Z. “Veri Değişimini Sağlayan Bankacılık İşaretleme Dili: BID,” Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu ve Fuarı, 346-350, Bursa,2002.

**1.4.12.** Altan Z. “Dil Modellemeye Belirsizlik Probleminin Etmenlenmiş Dilbilgisi ile Giderilmesi,”. Proc. 11th Turkish Symposium Artificial Intelligence and Neural Networks, 225-234, İstanbul, 2002.

**1.4.13.** Altan Z. “Eğitimde Yeni Yaklaşımlar: İnternetin Bir Araç Olarak Kullanımı”. 4.GAP Mühendislik Kongresi, Cilt I, 740-747, Şanlıurfa, 2002.

**1.4.14.** Altan Z., “Bilgi Tabanlı Bir Yönetim Sisteminde Kavramsal Modellemenin Önemi,” Akademik Bilişim 2001, Samsun, 2001.

**1.4.15.** Altan Z. ve Aydın K., "İsimlerde Çekim Eklerinin Oluşturduğu Ses Olaylarının Visual Basic Ortamında İncelenmesi," Elektrik- Elektronik Bilgisayar Mühendisliği Sempo., 307- 312 , Bursa, 2000.

**1.4.16.** Altan Z., Karahoca A., ve Kılıç A., “Yeni Ağ Ekonomisinde İzlenmesi Gereken Stratejiler,” Inet-tr’ 2000, İstanbul ,2000.

**1.4.17.** Altan Z., ”Dağıtılmış Nesneye Yönelik Programlamayı Her Ortamda Destekleyen Dil: Java,” V.Bilgisayar - Haberleşme Sempozyumu , 5-8, Bursa, 1998.

**1.4.18.** Altan Z., “A study of Grammatical Parsing,” 6 th Turkish Symposium on Artificial Intelligence and Neural Networks- Proc. New Trends in Artificial Intelligence &Neural Networks, 143-150, Ankara,1997.

**1.4.19.** Aysan M., Altan Z. ve Dökmeci V., “Dinamik Lowry Modelinin İstanbul’a Uyarlanması,” 3. Ulaştırma Kongresi , 155-174, İstanbul,1995.

#### **Other Publications**

Altan Z, Formal Diller ve Soyut Makineler (Formal Language and Automata Theory (LectureBook), İstanbul Üniversitesi, Yayın No: 4303. ISBN 975 - 404 - 628 - X, 2001.

Birgün, S. ,Altan, Z. “A Managerial Perspective for the Software Development Process: Achieving Software Product Quality by the Theory of Constraints”, book chapter in “A Managerial Perspective for Software Development Process: Achieving the Software Product Quality by Theory of Constraints” eds: Bolat, H.B. Temur, G.T. pp.243-266. IGI Global, 2019.