

Prof. HÜSEYİN CEM BOZŞAHİN

Personal Information

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Education Information

Doctorate, Arizona State University, Computer Science And Engineering, United States Of America 1985 - 1990

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Endüstri Mühendisliği (YI) (Tezli), Turkey 1982 - 1983

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, Turkey 1977 - 1982

Foreign Languages

English, C1 Advanced

Research Areas

Social Sciences and Humanities, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Graduate School of Informatics, Cognitive Science, 2011 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2000 - 2011

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 1993 - 1998

Advising Theses

BOZŞAHİN H. C. , A mathematical word problem solver for addition and subtraction problems, Post Graduate, M.Erolcan(Student), 2020

BOZŞAHİN H. C. , Idioms as multi-word expressions in Turkish, Post Graduate, A.Burcu(Student), 2020

BOZŞAHİN H. C. , Joint learning of morphological segmentation, morpheme tagging, part-of-speech tagging, and dependency parsing, Post Graduate, H.Aleçakır(Student), 2020

BOZŞAHİN H. C. , The effect of executive control training on emotional distraction during conflict resolution: a pupillometry study, Doctorate, Ş.Koç(Student), 2020

BOZŞAHİN H. C. , Measuring empirical bias toward ergativity and accusativity, Post Graduate, Ç.Şakiroğulları(Student), 2019

BOZŞAHİN H. C. , Implementing the type-raising algorithm by grammar compiling, Post Graduate, O.Demir(Student), 2019

Acartürk C., Bozsahin H. C. , AN INVESTIGATION OF GRAMMATICAL PATTERNS IN USER PASSWORDS: A PROBABILISTIC

CONTEXT-FREE GRAMMAR APPROACH , Post Graduate, R.KAAN(Student), 2018

BOZŞAHİN H. C. , Probabilistic learning of Turkish morphosemantics by latent syntax, Post Graduate, A.ÜSTÜN(Student), 2017

BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D., An ambient semantic intelligence model for scientific research, Doctorate, A.SUBAŞI(Student), 2016

BOZŞAHİN H. C. , Morphological segmentation using Dirichlet process based bayesian non-parametric models, Post Graduate, S.KUMYOL(Student), 2016

BOZŞAHİN H. C. , A computational study on the role of planning and affordances in learning: Plan to learn vs. learn to plan, Post Graduate, E.KAMER(Student), 2015

ACARTÜRK C., BOZŞAHİN H. C. , Power law distributions, self-organizing behavior and popularity, Post Graduate, D.GÖZDE(Student), 2015

BOZŞAHİN H. C. , Finite-state sign language morphophonology, Doctorate, A.MÜGE(Student), 2015

BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D., A turkish database for psycholinguistic studies: A corpus based study on frequency, age of acquisition, and imageability, Post Graduate, E.AHSEN(Student), 2015

BOZŞAHİN H. C. , The discourse structure of Turkish, Doctorate, I.DEMİRŞAHİN(Student), 2015

BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D., Nouns-first, verbs-first and computationally-easier first: A preliminary design to test the order of acquisition, Post Graduate, E.AVCU(Student), 2014

BOZŞAHİN H. C. , Modeling and predicting the effect of culture in communication: A mixed study using naming game and social networks, Post Graduate, Ö.NİLAY(Student), 2014

BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D., Adapting and testing psycholinguistic toolboxes for Turkish visual word recognition studies, Post Graduate, B.ERTEN(Student), 2013

BOZŞAHİN H. C. , HACIHABİBOĞLU H., Speech emotion recognition using auditory models, Post Graduate, E.YÜNCÜ(Student), 2013

BOZŞAHİN H. C. , Power of frequencies: N-grams and semi-supervised morphological segmentation in Turkish, Doctorate, Ö.KILIÇ(Student), 2013

BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D., Overextension as evidence for deductive word learning: A theoretical examination, Post Graduate, E.ÜNAL(Student), 2013

BOZŞAHİN H. C. , Discretized categorization of high level traffic activities in tunnels using attribute grammars, Post Graduate, D.BÜYÜKÖZCÜ(Student), 2012

BOZŞAHİN H. C. , Discretized categorization of high level traffic activities in tunnels using attribute grammars, Post Graduate, D.Büyüközcü(Student), 2012

BOZŞAHİN H. C. , Bootstrapping shared vocabulary in a population-weighted lists with probabilistic choice, Post Graduate, K.ERYILMAZ(Student), 2011

BOZŞAHİN H. C. , Two approaches for collective learning with language games, Post Graduate, Ç.Gülçehre(Student), 2011

BOZŞAHİN H. C. , A computational model of social dynamics of musical agreement, Post Graduate, İ.ADNAN(Student), 2011

BOZŞAHİN H. C. , Prospective duration judgments: the role of attention and secondary tasks, Post Graduate, H.Duzcu(Student), 2011

BOZŞAHİN H. C. , Grammar and information : a study of Turkish indefinites, Doctorate, U.Özge(Student), 2010

ZEYREK BOZŞAHİN D., BOZŞAHİN H. C. , Intonation structure and intonation in SVO and OVS sentences in spoken Russian, Post Graduate, E.GHİNDA(Student), 2010

BOZŞAHİN H. C. , Aspects of control and complementation in Turkish, Post Graduate, Ş.MURAT(Student), 2009

BOZŞAHİN H. C. , Computational aspects discourse annotation, Post Graduate, B.AKTAŞ(Student), 2008

BOZŞAHİN H. C. , Connective position, argument order and information structure of discourse connectives in written Turkish texts, Post Graduate, I.DEMİRŞAHİN(Student), 2008

BOZŞAHİN H. C. , Using ZipF frequencies as a representativeness measure in statistical active learning of natural language, Post Graduate, O.ÇOBANOĞLU(Student), 2008

BOZŞAHİN H. C. , Sözdizim-anlambilim etkileşimi olarak sözlüksel dilbilgisinde denetleme, Post Graduate, A.KUNDURACI(Student), 2008

BOZŞAHİN H. C. , Computational aspects of discourse annotation, Post Graduate, B.Aktaş(Student), 2008

BAĞÇE S., BOZŞAHİN H. C. , A philosophical analysis of computational modeling in cognitive science, Post Graduate,

B.AYŞEN(Student), 2007

BOZŞAHİN H. C. , An examination of quantifier scope ambiguity in Turkish, Post Graduate, K.KURT(Student), 2006

BOZŞAHİN H. C. , Grammatical relations and word order in Turkish sign language (TİD), Post Graduate, A.MÜGE(Student), 2006

BOZŞAHİN H. C. , From syllable to meaning: Effects of knowledge of syllable in learning the meaning bearing units of language, Post Graduate, Ç.ÇÖLTEKİN(Student), 2006

BOZŞAHİN H. C. , A programming language for beginners based on Turkish syntax, Post Graduate, S.TUTAR(Student), 2004

BOZŞAHİN H. C. , Bozşahin H., A tune-based account of Turkish information structure, Post Graduate, U.Özge(Student), 2003

BOZŞAHİN H. C. , A type system for combinatory categorial grammar, Post Graduate, E.GÜNEŞ(Student), 2003

ZEYREK BOZŞAHİN D., BOZŞAHİN H. C. , A tune-based account of Turkish information structure, Post Graduate, U.ÖZGE(Student), 2003

BOZŞAHİN H. C. , A type system for combinatory categorial grammar, Post Graduate, G.Erkan(Student), 2003

BOZŞAHİN H. C. , A Computational interface for syntax and morphemic lexicons, Post Graduate, R.ÇAKICI(Student), 2002

ZEYREK BOZŞAHİN D., BOZŞAHİN H. C. , Refining the representational basis of the construction-integration model of text comprehension with syntactic cues, Post Graduate, E.KAPUSUZ(Student), 2001

BOZŞAHİN H. C. , Identifying the interactions of multi-criteria in Turkish discourse segmentation, Doctorate, M.TURHAN(Student), 2001

BOZŞAHİN H. C. , Semantic plausibility and category effects on unbounded dependency processing in Turkish relative clauses, Post Graduate, Ş.BARIŞ(Student), 2001

BOZŞAHİN H. C. , A Web-based source code browser for pascal, Post Graduate, B.MEHMET(Student), 2000

BOZŞAHİN H. C. , Generation of Turkish surface form from a morphemic lexicon, Post Graduate, B.KARAGÖL(Student), 2000

BOZŞAHİN H. C. , Extendible structural transfer: A case for German to Turkish transtation, Post Graduate, S.KÖPRÜ(Student), 1999

BOZŞAHİN H. C. , Machine learning and language acquisition: A model of child's learning of Turkish morphophonolog, Post Graduate, Y.ALTUN(Student), 1999

BOZŞAHİN H. C. , A Computational analysis of Turkish using the government-binding approach, Doctorate, A.Birtürk(Student), 1998

BOZŞAHİN H. C. , A Computational analysis of Turkish using the goverment-binding approach, Doctorate, A.BİRTÜRK(Student), 1998

BOZŞAHİN H. C. , A unification-based tool for learning of Turkish morphology, Post Graduate, İ.PEMPECİ(Student), 1998

BOZŞAHİN H. C. , Contextually appropriate anaphor/Pronoun generation for Turkish, Post Graduate, Ö.YÜKSEL(Student), 1997

BOZŞAHİN H. C. , A Sign based phrase structure grammar for Turkish, Post Graduate, O.TOLGA(Student), 1996

BOZŞAHİN H. C. , Qusai-logical form to case frame mapping for english to turkish machine translation, Post Graduate, B.PEHLİVANTÜRK(Student), 1996

BOZŞAHİN H. C. , A Word grammar of Turkish with morrphophonemic rules, Post Graduate, S.MURAT(Student), 1996

BOZŞAHİN H. C. , Incremental conceptual clustering without order dependency, Post Graduate, N.İLKER(Student), 1995

BOZŞAHİN H. C. , A Quota system for controlling network bandwidht utilization, Post Graduate, C.ÇELİK(Student), 1995

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Computers Aren't Syntax All the Way Down or Content All the Way Up**
BOZŞAHİN H. C.
MINDS AND MACHINES, vol.28, no.3, pp.543-567, 2018 (Journal Indexed in SCI)
- II. **Intonation in the grammar of Turkish**
ÖZGE U., BOZŞAHİN H. C.
LINGUA, vol.120, no.1, pp.132-175, 2010 (Journal Indexed in SSCI)

Articles Published in Other Journals

- I. **Word order as projection**
BOZŞAHİN H. C.
Dilbilim Araştırmaları, 2014 (Refereed Journals of Other Institutions)
- II. **Söylem ve tutarlılık bağları**
BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D., TURAN Ü. D.
Dilbilim araştırmaları, 2012 (Refereed Journals of Other Institutions)
- III. **Serialization and the verb in Turkish coordinate reduction**
BOZŞAHİN H. C.
Dilbilim araştırmaları, 2011 (Refereed Journals of Other Institutions)
- IV. **Dilbilgisi, bilişim ve bilişsel bilim**
BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D.
Dilbilim araştırmaları, 2000 (Refereed Journals of Other Institutions)
- V. **Ulamsal dilbilgisi ve Türkçe**
BOZŞAHİN H. C.
Dilbilim araştırmaları, 1996 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Wide-coverage parsing, semantics and morphology.**
Bozşahin H. C.
in: Turkish Natural Language Processing, K. Oflazer and M. Saraclar, Editor, Springer-Verlag , Berlin, pp.153-174, 2018
- II. **Command and order by type substitution: Another way to look at word order.**
Bozşahin H. C.
in: Word order in Turkish, Sumru Ozsoy, Editor, Springer-Verlag , Geneve, pp.179-216, 2018
- III. **Turkish Discourse Bank: Connectives and Their Configurations**
Zeyrek Bozşahin D., Demirşahin I., Bozşahin H. C.
in: Turkish Natural Language Processing, Kemal Oflazer, Murat Saraçlar, Editor, Springer, London/Berlin , New-York, pp.337-356, 2018
- IV. **Turkish Discourse Bank: Connectives and Their Configurations.**
ZEYREK BOZŞAHİN D., demirşahin I., BOZŞAHİN H. C.
in: Turkish Natural Language Processing (pp. 337-356). Springer, Cham., Kemal Oflazer, Murat Saraçlar, Editor, Springer, pp.337-356, 2018
- V. **natural recursion doesn't work that way**
BOZŞAHİN H. C.
in: Fundamental issues in Artificial Intelligence, , Editor, Springer, pp.95-112, 2016
- VI. **What is a computational constraint?**
BOZŞAHİN H. C.
in: Computing and Philosophy, Muller, Vincent, Editor, Springer, pp.3-16, 2016
- VII. **Verbal Categories in Turkish Sign Language**
BOZŞAHİN H. C. , Sevinç A. M.
in: The Uppsala Meeting of International Conference on Turkish Linguistics, Csato, Eva, Karakoc Birsal, Menz Astrid, Editor, Harrasowitz Verlag, Wiesbaden, pp.220-229, 2016
- VIII. **Combinatory Linguistics**
Bozşahin H. C.
Mouton de Gruyter , Berlin, 2012
- IX. **Lexical rules and Lexical Organization: Productivity in the Lexicon**
ŞEHİTOĞLU O. T. , BOZŞAHİN H. C.

Refereed Congress / Symposium Publications in Proceedings

- I. **Paracompositionality, MWEs and argument substitution**
BOZŞAHİN H. C. , Guven A. B.
Formal Grammar Conference, 11 August 2018
- II. **A Turkish database for psycholinguistic studies**
acar e. a. , ZEYREK BOZŞAHİN D., KURFALI M., BOZŞAHİN H. C.
Language Resources and Evaluation, Portoroz, Slovenia, 23 May 2016, vol.10
- III. **A Turkish database for psycholinguistic studies based on frequency age of acquisition and imageability**
Acar E. A. , ZEYREK BOZŞAHİN D., KURFALI M., BOZŞAHİN H. C.
LREC 2016, 10th edition of the Language Resources and Evaluation Conference, 23-28 May 2016, Portorož, Slovenia, 23 - 28 May 2016, pp.3600-3606
- IV. **Turkish Resources for Visual Word Recognition**
Erten B., BOZŞAHİN H. C. , ZEYREK BOZŞAHİN D.
9th International Conference on Language Resources and Evaluation (LREC), Reykjavik, Iceland, 26 - 31 May 2014, pp.2106-2110
- V. **Morphological productivity in the lexicon**
Sehitoglu O. T. , Bozsahin H. C.
Workshop on Breadth and Depth of Semantic Lexicons, Santa Cruz, Bolivia, 28 June 1996, pp.105-112

Supported Projects

BOZŞAHİN H. C. , ÖTER F., AKKUŞ S., Project Supported by Higher Education Institutions, Mantıksal Gösterimden Dil İfadesi Üretmenin Makina Öğrenimi, 2018 - 2019

Citations

Total Citations (WOS):16

h-index (WOS):2