

Prof. ÖZGÜR YILMAZEL

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Syracuse University, Elektrik Mühendisliği, United States Of America 1997 - 2006

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği

Bölümü, Turkey 1992 - 1996

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Empirical Selection of NLP-Driven Document Representations for Text Categorization, Syracuse University, Elektrik Mühendisliği, 2002

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

Professor, Anadolu University, ESKİŞEHİR MESLEK YÜKSEKOKULU, BÜRO HİZMETLERİ VE SEKRETERLİK BÖLÜMÜ, 2020 - Continues

Associate Professor, Anadolu University, ESKİŞEHİR MESLEK YÜKSEKOKULU, BÜRO HİZMETLERİ VE SEKRETERLİK BÖLÜMÜ, 2016 - 2020

Associate Professor, Anadolu University, MÜHENDİSLİK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, 2014 - 2016

Anadolu University, MÜHENDİSLİK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, 2008 - 2014

Academic and Administrative Experience

Anadolu University, 2013 - 2016

Anadolu University, 2011 - 2014

Anadolu University, 2010 - 2014
Anadolu University, 2010 - 2013
Anadolu University, 2009 - 2011

Courses

Metin Analitiği, Doctorate, 2018 - 2019, 2017 - 2018
F Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019
Bilgi Erişim Sistemleri, Postgraduate, 2018 - 2019
F Tez, Doctorate, 2018 - 2019
F Seminer, Doctorate, 2018 - 2019
F Tez, Postgraduate, 2018 - 2019
C Research in Computer Science II, Undergraduate, 2018 - 2019
C Computer Engineering Applications, Undergraduate, 2018 - 2019
Bürolarda Teknoloji Kullanımı, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017
Computer Engineering Design, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
BİLGİ VE BELGE YÖNETİMİ, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017
Introduction to Information Retrieval, Undergraduate, 2018 - 2019, 2017 - 2018
Software Engineering, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Computer Engineering Applications, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
F Uzmanlık Alan Dersi, Doctorate, 2018 - 2019
C Seminer, Doctorate, 2018 - 2019
Research in Computer Science I, Undergraduate, 2018 - 2019, 2017 - 2018
Research in Computer Science II, Undergraduate, 2017 - 2018
Tez (Tür)F Grubu, Postgraduate, 2017 - 2018
Bilgi Erişim Sistemleri (Tür), Postgraduate, 2017 - 2018
Seminer (Tür)F Grubu, Postgraduate, 2017 - 2018
Theory of Computation, Doctorate, 2017 - 2018
Tez (Tür)F Grubu, Doctorate, 2017 - 2018
Uzmanlık Alan Dersi (Tür)F Grubu, Doctorate, 2017 - 2018
Uzmanlık Alan Dersi (Tür) F Grubu, Postgraduate, 2017 - 2018
Introduc. To. İnfor. Retrieval , Undergraduate, 2016 - 2017
Metin Analitiği, Postgraduate, 2016 - 2017
RESEARCH İN COMPUTER SCİENCE 1, Undergraduate, 2016 - 2017
TEZ, Postgraduate, 2016 - 2017
SEMİNER, Postgraduate, 2016 - 2017
Uzmanlık Alan Dersi, Doctorate, 2016 - 2017
Theory of Computation (Hes.K.), Undergraduate, 2016 - 2017
Bilgi Erişim Sis., Postgraduate, 2016 - 2017
TEZ, Doctorate, 2016 - 2017
Bilgi Erişim Sis., Postgraduate, 2015 - 2016, 2014 - 2015, 2010 - 2011
SOFTWARE ENGINEERING , Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009
Tez (Tür) H Grubu, Doctorate, 2015 - 2016
TEZ (Tür), Postgraduate, 2015 - 2016
RESEARCH İN COMPUTER SCİENCE 1, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010
Computer Engineering Applications , Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Uzmanlık Alan Dersi (Tür)F Grubu, Postgraduate, 2015 - 2016

Tez (Tür)D Grubu, Postgraduate, 2015 - 2016
Uzmanlık Alan Dersi (Tür)F Grubu, Doctorate, 2015 - 2016
Tez (Tür)A Grubu, Postgraduate, 2015 - 2016, 2014 - 2015
TEZ (Tür)F Grubu, Doctorate, 2015 - 2016
INTRODUC. TO. İNFOR. RETRIEVAL, Undergraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012
Tez (Tür)J Grubu, Postgraduate, 2015 - 2016
Metin Analitiği, Doctorate, 2015 - 2016, 2014 - 2015
SEMİNER (Tür)F Grubu, Postgraduate, 2015 - 2016
COMPUTER ENGINEERING DESIGN, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Research in Computer Science II, Undergraduate, 2014 - 2015
Tez (TÜR)B Grubu, Postgraduate, 2014 - 2015
Uzmanlık Alanı Dersi (Tür)E Grubu, Postgraduate, 2014 - 2015
Uzmanlık Alan Dersi (Tür)E Grubu, Postgraduate, 2014 - 2015
TEZ (TÜR)C Grubu, Postgraduate, 2014 - 2015
TEZ (Tür)F Grubu, Postgraduate, 2014 - 2015
RESEARCH İN COMPUTER SCİENCE 2, Undergraduate, 2014 - 2015, 2013 - 2014, 2009 - 2010
Seminer, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010
Uzmanlık Alan Dersi, Doctorate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Introduction to Information Retrieval, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
YAZILIM MÜHENDİSLİĞİ, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
TEZ, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
DESİGN PATTERNS, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Büyük Veri Sistemleri, Postgraduate, 2013 - 2014
BİLGİ ERİŞİM SİSTEMLERİ, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Internet Programming, Undergraduate, 2011 - 2012, 2010 - 2011
NESNE TAB. SİS., Postgraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010
Research in Compu.Sci. 2, Undergraduate, 2011 - 2012
ADVANCED PROGRAMMING TECHNIQUES, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010
SOFTWARE ENGINEERING (YAZILIM MÜHENDİSLİĞİ), Undergraduate, 2011 - 2012
SOFTWARE MODELİNG (YAZ. MOD.), Undergraduate, 2010 - 2011, 2009 - 2010
Simulation and Modeling , Undergraduate, 2010 - 2011, 2009 - 2010
İleri Bilgi Erişim Sistemleri , Postgraduate, 2009 - 2010
SOFTWARE ENGINEERING (YAZILIM MÜHENDİSLİĞİ), Postgraduate, 2009 - 2010
Multimedia Computing (Çok-ort), Undergraduate, 2009 - 2010

Advising Theses

ÖZGÜR Y., Sürekli entegrasyon destekli hata öngörü sistemi, Postgraduate, İ.ESEN(Student), 2019
ÖZGÜR Y., Genre independent authorship attribution for turkish documents, Doctorate, H.VOLKAN(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Bucketed common vector scaling for authorship attribution in heterogeneous web collections: A scaling approach for authorship attribution**
Agun H. V., YILMAZEL Ö.
JOURNAL OF INFORMATION SCIENCE, vol.46, no.5, pp.683-695, 2020 (SCI-Expanded)
- II. **Apache Mahout: Machine Learning on Distributed Dataflow Systems**
Anil R., Capan G., Drost-Fromm I., Dunning T., Friedman E., Grant T., Quinn S., Ranjan P., Schelter S., YILMAZEL Ö.

- III. **Incorporating Topic Information in a Global Feature Selection Schema for Authorship Attribution**
Agun H. V., YILMAZEL Ö.
IEEE ACCESS, vol.7, pp.98522-98529, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Öğrenme Deneyimi Erişim Sistemi – Bir Durum Çalışması**
MUTLU M. E., PERİ MUTLU A., KİP KAYABAŞ B., KAYABAŞ İ., YILMAZEL Ö., SELVİ K.
Celal Bayar Üniversitesi Sosyal Bilimler Dergisi, vol.18, pp.217-236, 2020 (Peer-Reviewed Journal)
- II. **ANADOLU ÜNİVERSİTESİ İKTİSADİ ve İDARİ BİLİMLER FAKÜLTESİ DERGİSİ'NİN BİBLİYOMETRİK ANALİZİ**
YILMAZEL Ö.
Anadolu Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.20, no.1, pp.1-13, 2019 (Peer-Reviewed Journal)
- III. **SCALABLE IMPLEMENTATIONS OF DESCRIPTIVE STATISTICS ON HADOOP**
YILMAZEL Ö.
Nicel bilimler dergisi (Online), vol.1, no.1, pp.43-58, 2019 (Peer-Reviewed Journal)
- IV. **YÖK ULUSAL TEZ MERKEZİ'NDE BÜYÜK VERİ ALANINDA KAYITLI BULUNAN LİSANSÜSTÜ TEZLERİNİN ANALİZİ**
YILMAZEL Ö.
Karadeniz Uluslararası Bilimsel Dergi, no.41, pp.225-240, 2019 (Peer-Reviewed Journal)
- V. **ESKİŞEHİR MESLEK YÜKSEKOKULU ÖĞRENCİLERİNİN BİLGİ TEKNOLOJİLERİNİ KULLANIMLARINA YÖNELİK BİR ARAŞTIRMA**
YILMAZEL Ö., ATMACAN B., YILMAZEL S.
Electronic Journal of Vocational Colleges, pp.1-10, 2018 (Peer-Reviewed Journal)
- VI. **KONUT FİYAT TAHMİNİNDE YAPAY SİNİR AĞLARI YÖNTEMİNİN KULLANILMASI**
Yılmazel Ö., Afşar A., Yılmazel S.
Uluslararası İktisadi ve İdari İncelemeler Dergisi, vol.0, no.20, pp.285-300, 2018 (Peer-Reviewed Journal)
- VII. **Meslek Yüksekokulları, Öğrencileri ve Öğretim Elemanları Üzerine Çalışmaların İçerik Analizi**
YILMAZEL Ö., ATMACAN B., YILMAZEL S.
Kahramanmaraş Sütçü İmam Üniversitesi Sosyal Bilimler Dergisi, vol.15, no.1, pp.21-38, 2018 (Peer-Reviewed Journal)
- VIII. **Konut Fiyatlarını Etkileyen Faktörlerin Hedonik Model İle Belirlenmesi: Eskişehir Örneği**
Afşar A., Yılmazel Ö., Yılmazel S.
Selçuk Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.0, no.37, pp.195-205, 2017 (Peer-Reviewed Journal)
- IX. **TÜRKİYE'DE SATIŞI BULUNAN KONUTLARIN İL VE BÖLGELER BAZINDA DAĞILIMININ BÜYÜK VERİ TEKNOLOJİSİ İLE İNCELENMESİ**
Yılmazel S., Afşar A., Yılmazel Ö.
Sakarya İktisat Dergisi, vol.6, no.3, pp.1-21, 2017 (Peer-Reviewed Journal)
- X. **Mobile Applications at a Mega University: Anadolu University Campus App**
YILMAZEL Ö., Ekin E.
Asian Association of Open Universities Journal, vol.10, no.1, pp.13-21, 2015 (Peer-Reviewed Journal)
- XI. **GUIDING STUDENTS TO ANSWERS: Query Recommendation**
YILMAZEL Ö.
TURKISH ONLINE JOURNAL OF DISTANCE EDUCATION, vol.12, no.1, pp.85-94, 2011 (ESCI)
- XII. **A Language Modeling Approach to Turkish Text Retrieval**
YILMAZEL Ö.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :A-Uygulamalı Bilimler ve Mühendislik, vol.11, no.2, pp.163-172, 2010 (Peer-Reviewed Journal)

- XIII. **Quality benchmarking relational databases and Lucene in the TREC4 adhoc task environment**
Arslan A., YILMAZEL Ö.
Proceedings of the International Multiconference on Computer Science and Information Technology, IMCSIT 2010, vol.5, pp.365-372, 2010 (Scopus)

Books & Book Chapters

- I. **Büyük Veride Gerçek Zamanlı İş Zekası**
YILMAZEL Ö.
Akademisyen Kitabevi, 2019
- II. **Weather Early Warning System By Stream Processing Rainfall And Wind Sensor Data**
YILMAZEL Ö.
in: RESEARCH REVIEWS IN SCIENCE AND MATHEMATICS, Prof. Dr. Rıdvan KARAPINAR, Editor, Gece Akademi, pp.23-32, 2019
- III. **Bibliyometrik Analiz: Akdeniz Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi İncelemesi**
YILMAZEL Ö.
in: İşletme ve Yönetim Araştırmaları I, Mustafa Fedai ÇAVUŞ, Editor, Akademisyen Kitabevi, pp.127-141, 2019
- IV. **Büyük Veri ve Endüstri 4.0**
YILMAZEL Ö.
in: SOSYAL, BEŞERİ VE İDARİ BİLİMLER ALANINDA ARAŞTIRMA VE DEĞERLENDİRMELER CİLT 1, Prof. Dr. Orhan ÇOBAN Prof. Dr. Serpil AĞACAKAYA Doç. Dr. Enderhan KARAKOÇ Prof. Dr. Fehmi KARASİOĞLU Öğr. Gör. Ayşe ÇOBAN, Editor, Gece Akademi, pp.157-170, 2019
- V. **Evaluation of Turkish Text Information Retrieval: Relational Databases versus Apache Lucene**
ARSLAN A., YILMAZEL Ö.
LAP LAMBERT Academic Publishing, 2014
- VI. **Finding Answers to Complex Questions**
Diekema A., YILMAZEL Ö., Chen J., Harwell S., He L., Liddy E. D.
in: New Directions in Question Answering, Mark T Maybury, Editor, The MIT Press, pp.141-152, 2004

Refereed Congress / Symposium Publications in Proceedings

- I. **Intrinsic evaluation of word embeddings for Turkish**
Agun H. V., YILMAZEL Ö.
4th International Symposium on Computer Science and Intelligent Control, ISCSIC 2020, Virtual, Online, England, 17 - 19 November 2020
- II. **A DEEP LEARNING MODEL FOR JOINT INFERENCE IN AUTHORSHIP ATTRIBUTION TASKS**
AGÜN H. V., YILMAZEL Ö.
International Academic Conference on Development in Science and Technology (IACDST), Praq, 21 - 22 December 2018, pp.1-5
- III. **Document Embedding Approach for Efficient Authorship Attribution**
Agun H. V., YILMAZEL Ö.
2nd International Conference on Knowledge Engineering and Applications (ICKEA), London, Canada, 21 - 23 October 2017, pp.194-198
- IV. **Effects of Language Processing in Turkish Authorship Attribution**
Agun H. V., YILMAZEL S., YILMAZEL Ö.
IEEE International Conference on Big Data (IEEE Big Data), Massachusetts, United States Of America, 11 - 14 December 2017, pp.1876-1881
- V. **Not All Software Engineers Can Become Good Data Engineers**
Saltz J. S., YILMAZEL S., YILMAZEL Ö.

4th IEEE International Conference on Big Data (Big Data), Washington, Kiribati, 5 - 08 December 2016, pp.2896-2901

- VI. **FREQUENT PATTERN MINING OVER MOVIE PLOT KEYWORDS**
Arslan A., YILMAZEL Ö.
International Conference on Computer and Computational Intelligence (ICCCI 2011), Bangkok, Thailand, 2 - 04 December 2011, pp.71-74
- VII. **Joint Feature Regression for Cold-Start Recommendation in Videlectures.Net**
Çapan G., YILMAZEL Ö.
ECML/PKDD Discorvery Challenge Workshop, Atina, Greece, 5 - 09 September 2011, pp.103-109
- VIII. **Joint features regression for Cold-Start Recommendation on VideoLectures.Net**
ÇAPAN G., YILMAZEL Ö.
ECML/PKDD Discovery Challenge Workshop 2011, DCW 2011, Athens, Greece, 05 September 2011, vol.770, pp.103-109
- IX. **Quality Benchmarking Relational Databases and Lucene in the TREC4 Adhoc Task Environment**
ARSLAN A., YILMAZEL Ö.
International Multiconference on Computer Science and Information Technology, Wisla, Poland, 18 - 20 October 2010, pp.365-372
- X. **An Approach to Prevent Stemming Side Effects in Information Retrieval**
ARSLAN A., YILMAZEL Ö.
IADIS International Conference Applied Computing, 14 - 16 October 2010, pp.275-277
- XI. **Automatic Grading System for ProgrammingHomework**
DEMİR Ö., YILMAZEL B., ARSLAN A., YILMAZEL Ö.
CSEIT 2010 : International Conference on Computer Science Education: Innovation Technology, 6 - 07 January 2010
- XII. **Relational Databases versus Information Retrieval Systems: A Case Study**
YILMAZEL Ö., YILMAZEL B., YILMAZEL B., ARSLAN A.
International Conference Applied Computing, 19 - 21 November 2009, pp.273-276
- XIII. **Recognizing connotative meaning in military chat communications**
Budlong E., Sharon W., YILMAZEL Ö.
SPIE Defense, Security, and Sensing, 2009, Orlando, Florida, United States, 7 - 12 February 2009
- XIV. **Towards a Cognitive Approach for the Automated Detection of Connotative Meaning**
Synder J., Derediata M., YILMAZEL Ö., LIDDY E.
8th International Conference on Computational Semantics, 7 - 09 January 2009
- XV. **Guided Navigation Using Query Log Mining through Query Expansion**
Yurekli B., ÇAPAN G., Yilmazel B., YILMAZEL Ö.
3rd International Conference on Network and System Security, Surfers Paradise, Australia, 19 - 21 October 2009, pp.560-564
- XVI. **Turkish question answering - Question answering for distance education students**
Yurekli B., Arslan A., ŞENEL H. G., YILMAZEL Ö.
3rd International Conference on Software and Data Technologies, Oporto, Portugal, 5 - 08 July 2008, pp.320-321
- XVII. **A COMPARISON OF RELATIONAL DATABASES AND INFORMATION RETRIEVAL LIBRARIES ON TURKISH TEXT RETRIEVAL**
Arslan A., YILMAZEL Ö.
IEEE International Conference on Natural Language Processing and Knowledge Engineering, Beijing, China, 19 - 22 October 2008, pp.296-303
- XVIII. **Finding Questions To Your Answers**
Ingersoll G., YILMAZEL Ö., Liddy E.
IEEE 23rd International Conference on Data Engineering, 15 - 20 April 2007
- XIX. **Standards Alignment for Metadata Assignment**
Diekema A., YILMAZEL Ö., Bailey J., Harwell S., Liddy E.
Joint Conference on Digital Libraries, 18 - 23 June 2007

- XX. **Text Categorization for Aligning Educational Standards**
YILMAZEL Ö., Balasubramanian N., Harwell S., Jennifer B., Diekema A., Liddy E.
HICSS International Conference on System Sciences, 3 - 06 January 2007
- XXI. **Leveraging one-class SVM and semantic analysis to detect anomalous content**
YILMAZEL Ö., Symonenko S., Balasubramanian N., LIDDY E.
IEEE International Conference on Intelligence and Security Informatics ISI 2005, 19 - 20 May 2005, pp.381-388
- XXII. **Improved Document Representation for Classification Tasks for the Intelligence Community**
YILMAZEL Ö., Symonenko S., Balasubramanian N., Liddy E.
2005 AAAI Spring Symposium Series, 21 - 23 March 2005
- XXIII. **Evaluation of Restricted Domain Question-Answering Systems**
DIEKEMA A. R., YILMAZEL Ö., LIDDY E. D.
EACL Workshop on Question Answering in Restricted Domains, 21 - 26 July 2004, pp.3-8
- XXIV. **MetaExtract: An NLP System to Automatically Assign Metadata**
YILMAZEL Ö., FINNERAN C., LIDDY E.
Joint Conference on Digital Libraries 2004, 7 - 11 July 2004, pp.241-242
- XXV. **Question Answering: CNLP at the TREC-9 Question Answering Track**
Diekema A., Xiaoyong L., Chen J., Hudong W., McCracken N., YILMAZEL Ö.
NIST Special Publication 500-249: The Ninth Text REtrieval Conference (TREC 9), 15 - 16 November 2000, pp.501

Supported Projects

YILMAZEL Ö., Büyük Veri Sistemlerine Kurumsal Veri Aktarım Aracı, 2017 - 2018

MUTLU M. E., YILMAZEL Ö., Sanal Ortamdaki Öğrenme Deneyimlerinin Yönetimi İçin Yapay Zeka Teknolojileriyle Desteklenmiş Bir Yaşam Günlüğü Sisteminin Tasarımı, Geliştirilmesi ve Değerlendirilmesi, 2015 - 2018

YILMAZEL Ö., Büyük Veri Analizi ve Veri Madenciliği İçin MapReduce Algoritmaları ile Özet İstatistik Çıkarımı ve Veri Hazırlama Sistemi, 2014 - 2016

YILMAZEL Ö., Project Supported by Higher Education Institutions, Mühendislik Fakültesi Teknolojik Altyapı İyileştirme Projesi, 2012 - 2013

YILMAZEL Ö., Project Supported by Higher Education Institutions, Cevap Anahtarı ve Ek Dokümanlar Üretim Basım Sonlandırma/Paketleme Otomasyon Sistemi, 2011 - 2012

YILMAZEL Ö., ÇEKEROL G. S., ÖZGÜR A. Z., Project Supported by Higher Education Institutions, Açık ve Uzaktan Öğretimde Kitap Dağıtım ve Yönetim Sistemi, 2011 - 2012