

Assoc. Prof. Gülşen Eryiğit

Personal Information

Email: gulsenc@itu.edu.tr

Web: <https://web.itu.edu.tr/gulsenc/>

Address: İTÜ Ayazağa Kampüsü Bilgisayar ve Bilişim Fakültesi, Maslak İstanbul

International Researcher IDs

ScholarID: 25CpSdKAAAAJ

ORCID: 0000-0003-4607-7305

Publons / Web Of Science ResearcherID: O-4106-2016

ScopusID: 56024191300

Yoksis Researcher ID: 28094

Biography

Gülşen Eryiğit is an Assistant Professor at Istanbul Technical University (ITU), Turkey, founding member of the ITU Natural Language Processing Group, member of the ITU Learning from Big Data Group. She received her M.S. and Ph.D. degrees from the Computer Engineering Department, Istanbul Technical University, Turkey, in 2002 and 2007, respectively. In 2006, she worked as a visiting student researcher at Växjö University, Sweden where she worked in the first ranked team of Conll shared tasks in 2006 and 2007 on multi-lingual dependency parsing. In 2007, she won Siemens Excellence award for her PhD thesis.

Her current research focuses on natural language processing of Turkish. In this field, she acted as a reviewer or co-author of various publications in prestigious journals and conferences. She was the Turkey's representative in CLARIN (EU 7th Framework Programme, CLARIN - Common language resources and technology infrastructure). Currently, she is the leader of two research projects: one EU Cost Action project "Parsing Web2.0 Sentences" funded by the Scientific and Technological Research Council of Turkey (TUBITAK) and one national project "Turkish Mobile Personal Assistant" funded by Turkey's Ministry of Science, Industry and Technology. She is the NLP coordinator of one interdisciplinary research project "A Signing Avatar System for Turkish to Turkish Sign Language Machine Translation" funded by TUBITAK. She is serving as a consultant or technical advisor to several companies. She has been a reviewer for many research and industrial proposals for European Commission (H2020 and Cost Action Programs), TUBITAK, Turkey's Ministry of Science, Industry and Technology and Swiss National Science Foundation.

Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2002 - 2007

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2000 - 2002

Undergraduate, Marmara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1995 - 2000

Foreign Languages

French

German, A1 Beginner

English

Dissertations

Doctorate, Türkçe'nin bağıllık ayrıştırması, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Bilgisayar

Mühendisliği Bölümü, 2007

Postgraduate, Sözlüksüz köke ulaşma yöntemi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar

Mühendisliği (Dr), 2002

Research Areas

Technical Sciences, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Natural Language Processing

Academic Titles / Tasks

Associate Professor, İstanbul Technical University, Bilgisayar ve Bilişim, Yapay Zeka Ve Veri Mühendisliği, 2018 - Continues

Assistant Professor, İstanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - 2018

Lecturer PhD, İstanbul Technical University, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - 2007

Research Assistant, İstanbul Technical University, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2002 - 2007

Published journal articles indexed by SCI, SSCI, and AHCI

I. Gamified crowdsourcing for idiom corpora construction

Eryiğit G., Sentas A., Monti J.

NATURAL LANGUAGE ENGINEERING, vol.29, no.4, pp.909-941, 2023 (SCI-Expanded)

II. Gamification of complex morphology learning: the case of Turkish

Eryiğit G., Bektas F., Ali U., Dereli B.

COMPUTER ASSISTED LANGUAGE LEARNING, vol.36, no.8, pp.1421-1449, 2023 (AHCI)

III. Fusion of visual representations for multimodal information extraction from unstructured transactional documents

Oral B., Eryiğit G.

INTERNATIONAL JOURNAL ON DOCUMENT ANALYSIS AND RECOGNITION, vol.25, no.3, pp.187-205, 2022 (SCI-Expanded)

IV. Abstract meaning representation of Turkish

Oral E., Acar A., Eryiğit G.

NATURAL LANGUAGE ENGINEERING, 2022 (SCI-Expanded)

V. Information Extraction from Text Intensive and Visually Rich Banking Documents

Oral B., Emekligil E., Arslan S., Eryiğit G.

INFORMATION PROCESSING & MANAGEMENT, vol.57, no.6, 2020 (SCI-Expanded)

VI. Implementing universal dependency, morphology, and multiword expression annotation standards for Turkish language processing

Sulubacak U., Eryiğit G.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.3, pp.1662-1672, 2018 (SCI-Expanded)

VII. Relation extraction via one-shot dependency parsing on intersentential, higher-order, and nested relations

- SAHIN G. G., Emekligil E., Arslan S., Ağın O., Eryiğit G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.2, pp.830-843, 2018
(SCI-Expanded)
- VIII. **Multiword Expression Processing: A Survey**
CONSTANT m., ERYİĞİT G., MONTİ j., VAN DER PLAS l., RAMİSCH c., ROSNER M., TODİRASCU a.
Computational Linguistics, vol.43, pp.837-892, 2017 (SCI-Expanded)
- IX. **Social media text normalization for Turkish**
Eryiğit G., Torunoglu-Selamet D.
NATURAL LANGUAGE ENGINEERING, vol.23, no.6, pp.835-875, 2017 (SCI-Expanded)
- X. **Extending a CRF-based named entity recognition model for Turkish well formed text and user generated content**
Şeker G. A., Eryiğit G.
SEMANTIC WEB, vol.8, no.5, pp.625-642, 2017 (SCI-Expanded)
- XI. **Building machine-readable knowledge representations for Turkish sign language generation**
Eryiğit C., Köse H., Kelepir M., ERYİĞİT G.
KNOWLEDGE-BASED SYSTEMS, vol.108, pp.179-194, 2016 (SCI-Expanded)
- XII. **Dependency parsing of Turkish**
Eryiğit G., Nivre J., Oflazer K.
COMPUTATIONAL LINGUISTICS, vol.34, no.3, pp.357-389, 2008 (SCI-Expanded)
- XIII. **MaltParser: A language-independent system for data-driven dependency parsing**
Nivre J., Hall J., Nilsson J., Chaney A., Eryiğit G., Kübler S., Marinov S., Marsi E.
Natural Language Engineering, vol.13, no.2, pp.95-135, 2007 (SCI-Expanded)
- XIV. **Performance analysis of Naïve Bayes classification, Support Vector Machines and Neural Networks for spam categorization**
Tantuğ A. C., Eryiğit G.
Advances in Soft Computing, vol.34, pp.495-504, 2006 (SCI-Expanded)
- XV. **The memory indexing evolutionary algorithm for dynamic environments**
Karaman A., Uyar S., Eryiğit G.
APPLICATIONS OF EVOLUTIONARY COMPUTING, PROCEEDINGS, vol.3449, pp.563-573, 2005 (SCI-Expanded)
- XVI. **A gene based adaptive mutation strategy for genetic algorithms**
Uyar A. Ş., Sariel S., Eryiğit G.
LECTURE NOTES IN COMPUTER SCIENCE, vol.3103, pp.227-281, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Veri Artırımı için Yarı-Denetimli Bağlamsal Anlam Belirsizliği Giderme**
TORUNOĞLU SELAMET D., ERYİĞİT G.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.14, no.1, pp.34-46, 2021 (Peer-Reviewed Journal)
- II. **Türkçe Zamansal İfadelerin Yakalanması ve Tanımlanması**
Camci H., ERYİĞİT G.
Bilişim Teknolojileri Dergisi, vol.14, no.3, pp.337-343, 2021 (Peer-Reviewed Journal)
- III. **Türkçe Hedef Tabanlı Duygu Analizi İçin Alt Görevlerin İncelenmesi – Hedef Terim, Hedef Kategori Ve Duygu Sınıfı Belirleme**
Çetin F. S., ERYİĞİT G.
Bilişim Teknolojileri Dergisi, vol.11, no.1, pp.43-56, 2018 (Peer-Reviewed Journal)
- IV. **Use of NLP Techniques for an Enhanced Mobile Personal Assistant: The Case of Turkish.**
Çelikkaya G., Eryiğit G.
INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, pp.1-11, 2017
(Peer-Reviewed Journal)

- V. **ITU Validation Set**
ERYİĞİT G., Pamay T.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.7, no.1, pp.103-106, 2014 (Peer-Reviewed Journal)
- VI. **The Impact of NLP on Turkish Sentiment Analysis**
Yıldırım E., Çetin F. S., Eryiğit G., Temel T.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.8, pp.1-5, 2014 (Peer-Reviewed Journal)
- VII. **A mobile assistant for Turkish**
Çelikkaya G., Eryiğit G.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.1, pp.8-10, 2014 (Peer-Reviewed Journal)
- VIII. **Biçimbilimsel Çözümleme**
Eryiğit G.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.6, pp.33-55, 2013 (Peer-Reviewed Journal)
- IX. **Türkçe'nin olasılık tabanlı bağlılık ayrıştırması**
Eryiğit G., Adalı E., Oflazer K.
İstanbul Teknik Üniversitesi Dergisi, vol.7, pp.1-10, 2007 (Peer-Reviewed Journal)
- X. **The incremental use of morphological information and lexicalization in data-driven dependency parsing**
Eryiğit G., Nivre J., Oflazer K.
Computer Processing of Oriental Languages, Beyond the Orient: The Research Challenges Ahead, vol.4285, pp.498-507, 2006 (Peer-Reviewed Journal)
- XI. **Yaramaz E Postaların Sözülmelerinde Karar Destek Makineleri Naive Bayes ve Bellek Tabanlı Öğrenme Yöntemlerinin Karşılaştırılması**
ERYİĞİT G., TANTUĞ A. C., ADALI E.
Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.1, pp.27, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Statistical MWE-aware parsing**
Constant M., ERYİĞİT G., Ramisch C., Rosner M., Gerold S.
in: Representation and parsing of multiword expressions: Current trends, Yannick Parmentier, Jakub Waszczuk, Editor, Language Science Press, Berlin, pp.147-182, 2019
- II. **Dependency Parsing of Turkish**
ERYİĞİT G., Nivre J., Kemal O.
in: Studies in Turkish Language Processing, Kemal Oflazer, Murat Saraclar, Editor, Springer International Publishing, pp.133-151, 2018
- III. **PARSEME multilingual corpus of verbal multiword expressions**
Savary A., ERYİĞİT G.
in: Multiword expressions at length and in depth: Extended papers from the MWE 2017 workshop, Stella Markantonatou, Carlos Ramisch, Agata Savary, Veronika Vincze, Editor, Language Science Press, Berlin, pp.87-148, 2018
- IV. **Turkish Treebank**
ERYİĞİT G., Oflazer K., SULUBACAK U.
in: Studies in Turkish Language Processing, Kemal Oflazer, Murat Saraclar, Editor, Springer International Publishing, pp.273-289, 2018
- V. **Performance Analysis of Nâive Bayes Classification , Support Vector Machines and Neural Networks For Spam Categorization**
TANTUĞ A. C., ERYİĞİT G.
in: Applied Soft Computing Technologies The Challenge of Complexity, Ajith Abraham, Bernard de Baets, Mario Köppen, Bertram Nickolay, Editor, Springer Berlin Heidelberg, Berlin, pp.495-504, 2006

VI. A Gene Based Adaptive Mutation Strategy for Genetic Algorithms

UYAR A.Ş., SARIEL S., ERYİĞİT G.

in: Gecco 2004 Lecture Notes in Computer Science Volume 3103, Kalyanmoy Deb, Editor, Springer-Verlag, pp.271-281, 2004

Refereed Congress / Symposium Publications in Proceedings

I. Incorporating Dropped Pronouns into Coreference Resolution: The case for Turkish

Arslan T. P., Eryiğit G.

17th Conference of the European Chapter of the Association for Computational Linguistics, EACL 2023 - Student Research Workshop, SRW 2023, Dubrovnik, Croatia, 2 - 04 May 2023, pp.14-25

II. Towards Automatic Grammatical Error Type Classification for Turkish

Uz H., Eryiğit G.

17th Conference of the European Chapter of the Association for Computational Linguistics, EACL 2023 - Student Research Workshop, SRW 2023, Dubrovnik, Croatia, 2 - 04 May 2023, pp.134-142

III. Long Form Question Answering Dataset Creation for Business Use Cases using Noise-Added Siamese-BERT

Çekiç T., Manav Y., Helvacioğlu B., dündar e. b., Deniz O., ERYİĞİT G.

Proceedings of the 14th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, Valletta, Malta, 24 - 27 October 2022

IV. The Impact of Pre-trained Language Models on Turkish Semantic Role Labelling

Oral E., ERYİĞİT G.

Signal Processing and Communications Applications Conference, Safranbolu, Turkey, 15 - 19 May 2022

V. AMR Alignment for Morphologically-rich and Pro-drop Languages

Oral E., Eryiğit G.

60th Annual Meeting of the Association-for-Computational-Linguistics (ACL), Dublin, Ireland, 22 - 27 May 2022, pp.143-152

VI. Towards a Multilingual Platform for Gamified Morphology Learning

Bektaş F., Dereli B., Hayta F., Sahin E., Ali U., Eryiğit G.

7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.222-227

VII. The Impact of Pre-trained Language Models on Turkish Semantic Role Labelling Ön eğitimli Dil Modelerinin Türkçenin Anlamsal Görev Çözümlemesine Etkisi

Oral E., Eryiğit G.

30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

VIII. Classifying Turkish Trade Registry Gazette Announcements

Demirtas I. N., Arslan S., Eyigit G.

7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.204-209

IX. Evaluation of wizard-of-Oz and self-play data collection techniques for turkish goal-oriented dialogue agents

Arslan D., Eryiğit G.

2021 International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2021, Kocaeli, Turkey, 25 - 27 August 2021

X. Development of Goal-Oriented Dialogue Systems for Customer Services in Automotive Industry

Tuncer M., Bilici M. F., ERYİĞİT G.

International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Kocaeli, Turkey, 25 August 2021

XI. Substituto-A Synchronous Educational Language Game for Simultaneous Teaching and

Crowdsourcing

Araneta M. G., ERYİĞİT G., Lyding V., Luis A., Nicolas L., Rodosthenous C., Sangati F., König A., Lee, J.

Proceedings of the 9th Workshop on NLP for Computer Assisted Language Learning, Sweden, 22 - 25 November 2020

XII. Constructing Multimodal Language Learner Texts Using {LARA}: Experiences with Nine Languages

Akhlaghi E., Bedi B., Bektaş F., Berthelsen H., Butterweck M., Chua C., Cucchiarin C., ERYİĞİT G., Gerlach J., Habibi H., et al.

12th Language Resources and Evaluation Conference, Marseille, France, 13 - 15 May 2020

XIII. Preliminary Investigation on Using Semi-Supervised Contextual Word Sense Disambiguation for Data Augmentation

Torunoglu-Selamet D., İnceoğlu A., Eryiğit G.

5th International Conference on Computer Science and Engineering (UBMK), Diyarbakır, Turkey, 9 - 11 September 2020, pp.337-342

XIV. A Semi-Automatic Annotation Interface for Named Entity and Relation Annotation on Document Images

akpinar m. y., oral b., engin d., emeklgil e., arslan s., ERYİĞİT G.

2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, Turkey, 11 - 15 September 2019

XV. Extracting Complex Relations from Banking Documents

Berke O., Emekligil E., Arslan S., ERYİĞİT G.

Proceedings of the Second Workshop on Economics and Natural Language Processing, Hong Kong, China, 3 - 07 November 2019

XVI. Towards Turkish Abstract Meaning Representation

Azin Z., Eryiğit G.

57th Annual Meeting of the Association-for-Computational-Linguistics (ACL), Florence, Italy, 28 July - 02 August 2019, pp.43-47

XVII. Detecting code-switching between Turkish-English language pair

Yirmibeşoğlu Z., ERYİĞİT G.

Proceedings of the 2018 EMNLP Workshop W-NUT: The 4th Workshop on Noisy User-generated Text, brüksel, Belgium, 31 October - 04 November 2018, pp.110-115

XVIII. Turkish Coreference Resolution

Pamay T., Eryiğit G.

IEEE (SMC) International Conference on Innovations in Intelligent Systems and Applications (INISTA), Thessaloniki, Greece, 3 - 05 July 2018

XIX. SemEval 2016 Task 5 Aspect Based Sentiment Analysis

Pontiki M., Galanis D., Papageorgiou H., Androutsopoulos I., Manandhar S., ALSmadi M., Mahmoud A., Yanyan Z., Qin B., De Clercq O., et al.

10th International Workshop on Semantic Evaluation (SemEval-2016), San Diego, United States Of America, 16 - 17 June 2016, pp.19-30

XX. IMST A revisited Turkish dependency treebank

SULUBACAK U., PAMAY T., ERYİĞİT G.

International Conference on Intelligent Text Processing and Computational Linguistics CICLING 2016 at TURCLING workshop, Konya, Turkey, 3 - 09 April 2016, pp.1-6

XXI. Exploring Spelling Correction Approaches for Turkish

Torunoğlu Selamet D., Bekar E., İlbay T., Eryiğit G.

Proceedings of The First International Conference on Turkic Computational Linguistics TurCLing 2016 In conjunction with CICLING 2016, the 17th International Conference on Intelligent Text Processing and Computational Linguistics, Konya, Turkey, 25 - 30 April 2016, pp.7-11

XXII. Simplification of Turkish Sentences

Torunoğlu Selamet D., Pamay T., Eryiğit G.

Proceedings of The First International Conference on Turkic Computational Linguistics TurCLing 2016 In

- conjunction with CICLing 2016, the 17th International Conference on Intelligent Text Processing and Computational Linguistics, Konya, Turkey, 25 - 30 April 2016, pp.55-59
- XXIII. **Türk İşaret Dili sözlüklerinin çevirmiçi ortamda birleştirilmesi çalışmaları**
eryiğit c., ÖZKUL A., karabüklü s., TORUNOĞLU SELAMET D., KÖSE H., ERYİĞİT G., KELEPİR WOOD M., özsoy s.
29. Ulusal Dilbilim Kurultayı, Kocaeli, Turkey, 21 - 22 May 2015, vol.1, pp.155-161
- XXIV. **A revisited Turkish Dependency Treebank**
Sulubacak U., Pamay T., Eryiğit G.
The 1st International Conference on Turkic Computational Linguistics (TurCLing), Konya, Turkey, 3 - 09 April 2016, pp.1-6
- XXV. **Turkish Natural Language Processing and ITU Turkish NLP Pipeline**
ERYİĞİT G.
Workshop on Natural Language Processing Tools Universal Dependencies Implementation for Turkish, Uppsala, Sweden, 26 - 27 November 2015
- XXVI. **Natural Language Processing and Electronic Dictionaries**
ERYİĞİT G.
II. International Lexicography Symposium: Electronic Dictionaries, İstanbul, Turkey, 3 - 04 November 2015
- XXVII. **The Annotation Process of the ITU Web Treebank**
Pamay T., Sulubacak U., Torunoğlu Selamet D., Eryiğit G.
The 9th Linguistic Annotation Workshop at NACCL, Colorado, United States Of America, 25 - 30 May 2015, pp.1-5
- XXVIII. **Türk İşaret Dili sözcüklerinin çevirimci ortamda birleştirilmesi çalışmaları**
Eryiğit C., Karabüklü S., ÖZKUL A., TORUNOĞLU SELAMET D., KÖSE H., ERYİĞİT G., KELEPİR WOOD M., Özsöy S.
29. Ulusal Dilbilim Kurultayı, Turkey, 21 - 23 May 2015
- XXIX. **Parsing Web2 0 Language and Sentiment Analysis The case of Turkish**
ERYİĞİT G.
Emotionand Sentiment in Social and Expressive Media: opportunities and challenges for emotion-aware multi agent systems ESSEM@AAMAS 2015, İstanbul, Turkey, 05 May 2015
- XXX. **Türk İşaret dili sözlüklerinin Çevrimiçi ortamda birleştirilmesi Çalışmaları**
Eryiğit C., Karabüklü S., Özkul A., Torunoğlu Selamet D., Köse H., Eryiğit G., KELEPIR M.
In Proceedings of the 29th Turkish National Linguistics Conference, Kocaeli, Turkey, 1 - 02 May 2015, pp.155-161
- XXXI. **Vowel and Diacritic Restoration for Social Media Texts**
Adalı K., Eryiğit G.
n 5th Workshop on Language Analysis for Social Media (LASM) at EACL, Gothenburg, Sweden, 1 - 02 April 2015
- XXXII. **ITU Turkish Natural Language Processing Studies 2000 2014**
ERYİĞİT G.
The International Conference on Turkic Language Processing, İstanbul, Turkey, 07 November 2014
- XXXIII. **ITU Validation Set for Metu-Sabanc Turkish Treebank**
Pamay T., Eryiğit G.
Proceedings of the TURKLANG'14 International Conference on Turkic Language Processing, Konya, Turkey, 6 - 07 November 2014, pp.103-106
- XXXIV. **A Cascaded Approach for Social Media Text Normalization of Turkish**
Torunoğlu Selamet D., Eryiğit G.
European Chapter of the Association for Computational Linguistics, Göteborg, Sweden, 25 - 30 April 2014, pp.1-5
- XXXV. **Named Entity Recognition on Real Data: A Preliminary Investigation for Turkish**
CELIK KAYA G., Torunoglu D., Eryiğit G.
7th International Conference on Application of Information and Communication Technologies (AICT), Baku, Azerbaijan, 23 - 25 October 2013, pp.154-158
- XXXVI. **Representation of Morphosyntactic Units and Coordination Structures in the Turkish Dependency Treebank**
Sulubacak U., Eryiğit G.
In Proceedings of the SPMRL 2013 (4th Workshop on Statistical Parsing of Morphologically Rich Languages), EMNLP 2013, Seattle, United States Of America, 18 - 21 October 2013

- XXXVII. **TURKSENT A Sentiment Annotation Tool for Social Media**
ERYİĞİT G., Çetin F. S., Yanık M., Temel T., ÇİÇEKLİ İ.
In Proceedings of the 7th Linguistic Annotation Workshop Interoperability with Discourse, Sofya, Bulgaria, 4 - 09 August 2013, pp.131-134
- XXXVIII. **Disambiguating Main POS tags for Turkish**
EHSANI R., Alper M. E., ERYİĞİT G.
In Proceedings of the 24th Conference on Computational Linguistics and Speech Processing (ROCLING 2012), Chungli, Taiwan, 21 - 22 September 2012, pp.202-2013
- XXXIX. **Word Alignment for English-Turkish Language Pair**
Cakmak M. T., Acar S., Eryiğit G.
8th International Conference on Language Resources and Evaluation (LREC), İstanbul, Turkey, 21 - 27 May 2012, pp.2177-2180
- XL. **The Impact of Automatic Morphological Analysis & Disambiguation on Dependency Parsing of Turkish**
Eryiğit G.
8th International Conference on Language Resources and Evaluation (LREC), İstanbul, Turkey, 21 - 27 May 2012, pp.1960-1965
- XLI. **The Impact of Automatic Morphological Analysis & Disambiguation on Dependency Parsing of Turkish.**
Eryiğit G.
In Proceedings of the Eighth International Conference on Language Resources and Evaluation, LREC 2012, İstanbul, Turkey, 23 - 25 May 2012
- XLII. **Multiword Expressions in Statistical Dependency Parsing**
ERYİĞİT G., İlbay T., Can O. A.
In Proceedings of the Workshop on Statistical Parsing of Morphologically-Rich Languages SPRML at IWPT (12th International Conference on Parsing Technologies), Dublin, Ireland, 5 - 07 October 2011, pp.45-55
- XLIII. **Natural Language Processing Morphological Analysis**
ERYİĞİT G.
Koç Üniversitesi Bilgisayar Mühendisliği Seminerleri, İstanbul, Turkey, 23 February 2010
- XLIV. **Single malt or blended a study in multilingual parser optimization**
Hall J., Nillson J., Nivre J., ERYİĞİT G., Megyesi B., Nilsson M., Saers M.
In Proceedings of the 11th Conference on Computational Natural Language Learning (CoNLL-XI), Prague, Czech Republic, 28 - 30 June 2007, pp.933-939
- XLV. **ITU Treebank Annotation Tool**
ERYİĞİT G.
In Proceedings of the Linguistic Annotation Workshop at ACL 2007, Prague, Czech Republic, 24 - 30 June 2007, pp.117-120
- XLVI. **The incremental use of morphological information and lexicalization in data-driven dependency parsing**
Eryiğit G., Nivre J., Oflazer K.
21st International Conference on Computer Processing of Oriental Languages (ICCPOL 2006), Singapore, Singapore, 17 - 19 December 2006, vol.4285, pp.498-500
- XLVII. **Performance Analysis of Naïve Bayes Classification Support Vector Machines and Neural Networks for Spam Categorization**
TANTUĞ A. C., ERYİĞİT G.
Springer Advances in Soft Computing, 20 September - 08 October 2004, pp.495-504
- XLVIII. **Türkçe cümlelerin kural tabanlı bağılılık analizi**
ERYİĞİT G., Oflazer K., Adalı E.
In Proceedings of the 15th Turkish Symposium on Artificial Intelligence and Neural Networks, İstanbul, Turkey, 21 - 24 June 2006, pp.17-24
- XLIX. **Labeled pseudo projective dependency parsing with support vector machines**

- Nivre J., Hall J., Nilsson J., ERYİĞİT G., Marinov S.
In Proceedings of the 10th Conference on Computational Natural Language Learning (CoNLL-X), New York, United States Of America, 8 - 09 June 2006, pp.221-225
- L. **Turkish Dependency Parsing**
ERYİĞİT G.
Boğaziçi Üniversitesi Bilgisayar Mühendisliği Seminerleri, İstanbul, Turkey, 24 April 2007 - 24 May 2006
- LI. **Dependency Parsing of Turkish**
ERYİĞİT G.
Minisymposium Computational aspects of building an annotated Swedish-Turkish parallel corpus, Uppsala, Sweden, 4 - 05 May 2006
- LII. **Statistical dependency parsing of Turkish**
ERYİĞİT G., Oflazer K.
In Proceedings of the 11th Conference of the European Chapter of the Association for Computational Linguistics (EACL), Trento, Italy, 3 - 07 April 2006, pp.89-96
- LIII. **Improvements to penalty-based evolutionary algorithms for the multi-dimensional knapsack problem using a gene-based adaptive mutation approach**
Uyar S., Eryigit G.
Genetic and Evolutionary Computation Conference, Washington, Kiribati, 25 - 29 June 2005, pp.1257-1264
- LIV. **Improvements to penalty based evolutionary algorithms for the multi dimensional knapsack problem**
UYAR A. Ş., ERYİĞİT G.
In Proceedings of the Genetic and Evolutionary Computation Conference (GECCO), Washington, Kiribati, 22 - 29 June 2005, pp.1257-1264
- LV. **A comparison of support vector machines memory based and naïve bayes techniques on spam recognition**
ERYİĞİT G., TANTUĞ A. C.
In Proceedings of the International Conference on Artificial Intelligence and Applications, Innsbruck, Austria, 14 - 16 February 2005, pp.457-462
- LVI. **An affix stripping morphological analyzer for Turkish**
Eryigit G., Adalı E.
IASTED International Conference on Artificial Intelligence and Applications, Innsbruck, Austria, 16 - 18 February 2004, pp.299-304
- LVII. **Probabilistic Turkish Word Root Generation**
TANTUĞ A. C., ERYİĞİT G.
The 3rd Asia Pacific International Symposium on Information Technology (APIS), İstanbul, Turkey, 13 - 14 January 2004
- LVIII. **An adaptive mutation scheme in genetic algorithms for fastening the convergence to the optimum**
UYAR A. Ş., ERYİĞİT G., SARIEL S.
In Proceedings of the 3rd Asia Pacific International Symposium on Information Technology, İstanbul, Turkey, 13 - 14 January 2004, pp.461-465
- LIX. **A graphical interface and a data filtering scheme for joint theater level simulation**
ÇAYIRCI E., GÖKMEN M., OKTUĞ S. F., AYAR T., ERYİĞİT G., ÇÖPLÜ T., OKÇU E., AKGÜN İ.
In Proceedings of the RTA/MSG Conference on C3I and Modelling and Simulation Interoperability, Antalya, Turkey, 9 - 10 October 2003, pp.71-79
- LX. **Synthetic Turkish Word Root Generation**
TANTUĞ A. C., ERYİĞİT G., ADALI E., ERENLER Y.
Proceedings of the Turkish Artificial Intelligence and Neural Networks (TAINN), Çanakkale, Turkey, 2 - 04 July 2003
- LXI. **Sentetik Türkçe sözcük kökleri üretimi**
ERYİĞİT G., TANTUĞ A. C., Adalı E., ERENLER Y.
In Proceedings of the 12th Turkish Symposium on Artificial Intelligence and Neural Networks, Çanakkale, Turkey, 2 - 04 July 2003, pp.133-136

- LXII. **Sözlüsüz köke ulaşma yöntemi**
ERYİĞİT G., Adalı E.
In Proceedings of the 19th TBD Bilişim Kurultayı, İstanbul, Turkey, 3 - 06 September 2002, pp.155-160
- LXIII. **Conversion of number expressions within noisy text into numerical representation**
Şahin İşguder G. G., Emekligil E., Arslan S., Ağın O., Eryiğit G.
25. Sinyal İşleme ve İletişim Uygulamaları Kurultayı SIU, Antalya, Turkey, 25 - 30 May 0017, pp.1-5
- LXIV. **Universal dependencies for Turkish**
Sulubacak U., Gökirmak M., Tyers F., Çöltekin Ç., Nivre J., Eryiğit G.
In Proceedings of the 26th International Conference on Computational Linguistics (COLING 16), Osaka, Japan, 15 - 20 December 0016, pp.1-5
- LXV. **TGB at SemEval-2016 task 5: Multi-lingual constraint system for aspect based sentiment analysis**
Çetin F. S., Yıldırım E., Özbeý C., Eryiğit G.
In Proceedings of the 10th international workshop on semantic evaluation (SemEval 2016) collocated event with NAACL 2016, San Diego, United States Of America, 15 - 20 December 0016, pp.1-5
- LXVI. **Comprehensive annotation of multiword expressions for Turkish**
Adalı K., Dinç T., Gökirmak M., Eryiğit G.
The First International Conference on Turkic Computational Linguistics at CICLING 2016, Konya, Turkey, 25 - 30 April 0016, pp.60-66
- LXVII. **Transition-based Dependency DAG Parsing Using Dynamic Oracles**
Tokgöz A., Eryiğit G.
ACL-IJCNLP SRW 2015, Beijing, China, 15 - 20 July 0015, pp.1-5
- LXVIII. **Using Finite State Transducers for Helping Foreign Language Learning**
Kaya H., Eryiğit G.
ACL-IJCNLP NLP-TEA2, Beijing, China, 15 - 20 July 0015, pp.1-5
- LXIX. **Annotation and Extraction of Multiword Expressions in Turkish Treebanks**
Eryiğit G., Adalı K., Torunoğlu Selamet D., Sulubacak U., Pamay T.
The 11th Workshop on Multiword Expressions at NACCL, Colorado, United States Of America, 25 - 30 May 0015, pp.1-5
- LXX. **ITU Turkish NLP Web Interface**
Eryiğit G.
In Proceedings of the Demonstrations at the 14th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2014), Gothenburg, Sweden, 15 - 20 April 0014, pp.1-5
- LXXI. **Redefinition of Turkish Morphology Using Flag Diacritics**
Şahin M., Sulubacak U., Eryiğit G.
In Proceedings of the Tenth Symposium on Natural Language Processing (SNLP-2013), Phuket, Thailand, 15 - 20 October 0013, pp.1-5
- LXXII. **Initial explorations on using CRFs for Turkish Named Entity Recognition**
Şeker G. A., Eryiğit G.
In Proceedings of the 24th International Conference on Computational Linguistics, COLING 2012, Mumbai, India, 8 - 15 December 0012, pp.1-5

Supported Projects

- Eryiğit G., Bektaş F., Project Supported by Higher Education Institutions, Yabancı Dil Olarak Türkçe Eğitimi İçin Doğal Metinler Kullanılarak Otomatik Gramer Egzersizi Üretimi, 2023 - Continues
- Eryiğit G., Pamay Arslan T., Project Supported by Higher Education Institutions, Uçtan Uca Derin Öğrenme Yaklaşımlarıyla Türkçe Eşgonderge Çözümlemesi, 2022 - Continues
- Eryiğit G., TUBITAK Project, Türkçe den Türk İşaret Diline Otomatik Çeviri Sistemi ve Avatar Animasyonu, 2014 - Continues
- Eryiğit G., TUBITAK Project, Çok Dilli Eşgonderge Çözümlemesi, 2023 - 2025

Üre N. K., Çakır M. A., Öğüdücü Ş., Ünal G., Eryiğit G., Tosun Kühn A., Oktuğ S. F., Kaya T., İnce G., Ovatman T., et al., Project Supported by Higher Education Institutions, Türkiye'nin Öncelikli Alanları için Yapay Zeka Teknolojileri Geliştirilmesi için Altyapı Oluşturma ve Ön Bilimsel Çalışmaları Başlatma, 2019 - 2022

Eryiğit G., TUBITAK Project, Görsel Özellikler Kullanılarak Bankacılık Talimatları Üzerinde Bilgi Çıkarımı Sisteminin Geliştirilmesi, 2020 - 2021

Eryiğit G., Pamay T., Project Supported by Higher Education Institutions, Coreference Resolution of Turkish, 2017 - 2018

Eryiğit G., Project Supported by Higher Education Institutions, Türkçe nin Bağıllılık Analizinde Otomatik biçimbirimsel Analizin ve Belirsizlik Gedermenin Etkisi, 2012 - 2018

Eryiğit G., TUBITAK Project, Web 2.0 Cümlelerinin Ayırılmasi, 2013 - 2016

Eryiğit G., Industrial Thesis Project, Akıllı Telefon ve Tabletler Üzerinde Türkçe Kişisel Asistan Uygulaması, 2013 - 2015

Eryiğit G., H2020 Project, CLARIN Common language resources and technology infrastructure, 2010 - 2011

Project Supported by Other Official Institutions, ITU TAF HOGAY Graphical Interface and Data Filtering Scheme Project, 2001 - 2003

Metrics

Publication: 106

Citation (WoS): 177

Citation (Scopus): 978

H-Index (WoS): 8

H-Index (Scopus): 12

Non Academic Experience

Doğuş Teknoloji - Arge Merkezi

Vodafone Teknoloji

Yapı Kredi Teknoloji

Turkcell Global Bilgi Çağrı Merkezi

NTENT - a leader Semantic Search Company in US

Intertech

Ericsson

VXU (Växjö University) School of Mathematics and Systems Engineering

Garanti Teknoloji