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EDUCATION

Ph.D In Artificial Intelligence

Sharif University of Technology

2000-2006

M.Sc In Software Engineering

Sharif University of Technology

1997-1999

Bachelor of Science In Software Engineering

Sharif University of Technology

1993-1997

PUBLICATIONS

200	8	42	54	1
Citations	h-Index	Article	Conference	Book

Articles

1. Ali Balali,masoud asadpoor,Hesham Faili,"A Supervised Method to Predict the Popularity of News Articles", in: Computacion y Sistemas, magazine-no: 4, Page: 703-716 January 1, 2018
2. Ali Vardasbi,Hesham Faili,masoud asadpoor,"SWIM: Stepped Weighted Shell Decomposition Influence Maximization for Large-Scale Networks", in: ACM TRANSACTIONS ON INFORMATION SYSTEMS, magazine-no: 1, Page: 1-33 August 19, 2017
3. Javad Basiri,Fataneh Taghiyareh,Hesham Faili,"RACER: accurate and efficient classification based on rule aggregation approach", in: Neural Computing & Applications, magazine-no: 2017, Page: 1-17 July 6, 2017
4. Seyedeh zahra Moosavi,Hesham Faili,Marzieh Fadaei,"Persian Wordnet Construction using Supervised Learning", in: International Journal of Information & Communication Technology Research, magazine-no: 2, Page: 35-44 June 30, 2017
5. Hakimeh Fadae,Hesham Faili,Farnaz Ghassemi,"Rule based MT improvement using syntactic rules", in: The CSI Journal on Computing Science and Information Technology, magazine-no: 2, Page: 12-22 March 19, 2017
6. Javid Dadash Karimi,Azadeh Shakery,Hesham Faili,Hamed Zamani,"An expectation-maximization algorithm for query translation based on pseudo-relevant documents", in: INFORMATION PROCESSING & MANAGEMENT, magazine-no: 2, Page: 371-387 March 1, 2017



7. Hossein Dehghan, Hesham Faili, "Generating the Persian Constituency Treebank in an Automatic Converting Method", September 17, 2016
8. Hamed Zamani, Hesham Faili, Azadeh Shakery, "Sentence alignment using local and global information", in: Computer Speech and Language, magazine-no: 1, Page: 88-107 September 1, 2016
9. Nasrin TaghiZadeh, Hesham Faili, "Automatic Wordnet Development for Low-Resource Languages using Cross-Lingual WSD", in: Journal of Artificial Intelligence Research, magazine-no: 2016, Page: 61-87 May 1, 2016
10. Behzad Mirzababae, Hesham Faili, "Context Aware Real word Error", January 4, 2016
11. Farzane Zaree, Hesham Faili, Maryam S. Mirian, "A machine learning approach for correcting the errors of a Treebank", January 4, 2016
12. Saeed Farzi, Hesham Faili, "Improving Statistical Machine Translation using Syntax-based Learning-to-Rank System", in: Digital Scholarship in the Humanities, magazine-no: 1, Page: 1-21 August 14, 2015
13. Saeed Farzi, Hesham Faili, Shahram Khadivi, "A syntactically informed reordering model for statistical machine translation", in: Journal of Experimental and Theoretical Artificial Intelligence, magazine-no: 1, Page: 1-21 January 15, 2015
14. Saeed Farzi, Hesham Faili, "A swarm-inspired re-ranker system for statistical machine translation", in: Computer Speech and Language, magazine-no: 1, Page: 45-62 January 1, 2015
15. Ali Basirat, Hesham Faili, Joakim Nivre, "A Statistical Model for Grammar Mapping", in: Natural Language Engineering, magazine-no: 1, Page: 1-42 December 31, 2014
16. Behzad Mirzababae, Hesham Faili, "Discriminative Reranking for Context-Sensitive Spell Checker", in: Literary and Linguistics Computing, magazine-no: 1, Page: 1-21 December 31, 2014
17. Parisa Saeedi, Hesham Faili, Azadeh Shakery, "Semantic role induction in Persian: An unsupervised approach by using probabilistic models", in: Literary and Linguistics Computing, magazine-no: 2014, Page: 1-23 December 2, 2014
18. mahdi heidari, masoud asadpoor, Hesham Faili, "SMG: Fast scalable greedy algorithm for influence maximization in social networks", in: PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, magazine-no: 420, Page: 124-133 November 7, 2014
19. Alireza Mahmoodi, Hesham Faili, "Using decision tree to hybrid morphology generation of Persian verb for English–Persian translation", in: Computer Speech and Language, magazine-no: 2014, Page: 1-22 November 1, 2014
20. Zahra Rahimi, Hesham Faili, Shahram Khadivi, "Using Dependency Tree Grammar to Enhance the reordering model of Statistical Machine translation system", in: International Journal of Information & Communication Technology Research, magazine-no: 4, Page: 59-69 October 23, 2014
21. Iman DehdarBehbahani, Azadeh Shakery, Hesham Faili, "Semi-supervised word polarity identification in resource-lean languages", in: NEURAL NETWORKS, magazine-no: 1, Page: 50-59 October 1, 2014
22. Hesham Faili, Nava Ehsan, Morteza Montazeri, Mohammad Taher Pilehvar, "Vafa spell-checker for detecting spelling, grammatical, and real-word errors of Persian language", in:



Digital Scholarship in the Humanities, magazine-no: 2014, Page: 1-21 September 9, 2014

23. Leila Tavakkoli,Hesham Faili,"Phrase Alignment in Parallel corpus Using Bootstrapping Approach", in: International Journal of Information and Communication Technology, magazine-no: 3, Page: 63-76 August 1, 2014

24. Farzane Zaree,Ali Basirat,Hesham Faili,Maryam S. Mirian ,"A Bootstrapping Method for Development of Treebank", in: Journal of Experimental and Theoretical Artificial Intelligence, magazine-no: ., Page: 1-24 March 27, 2014

25. Hosein Azarbonyad,Azadeh Shakery,Hesham Faili,"Learning to Exploit Different Translation Resources for Cross Language Information Retrieval", in: International Journal of Information and Communication Technology, magazine-no: 1, Page: 55-68 January 1, 2014

26. Ali Balali,Hesham Faili,masoud asadpoor,"A Supervised Approach to Predict the Hierarchical Structure of Conversation Threads for Comments", in: THESCIENTIFICWORLDJOURNAL, magazine-no: 2014, Page: 1-23 January 1, 2014

27. Amin Mansoori,Hakimeh Fadae,Hesham Faili,Mohsen Arabsorkhi,"Using Synchronous TAG for Source-Side Reordering in SMT", in: International Journal of Information and Communication Technology, magazine-no: 4, Page: 47-58 November 1, 2013

28. Saeed Farzi,Hesham Faili,Shahram Khadivi,Jalal Maleki,"A Novel Reordering Model for Statistical Machine Translation", in: research in computing science, magazine-no: 65, Page: 51-64 September 1, 2013

29. Marzieh Fadaei,HamidReza Ghader,Hesham Faili,Azadeh Shakery,"Automatic WordNet Construction Using Markov Chain Monte Carlo", in: Polibits, magazine-no: 1, Page: 13-22 June 30, 2013

30. Ali Basirat,Hesham Faili,"Bridge the gap between statistical and hand-crafted grammars", in: Computer Speech and Language, magazine-no: 4, Page: 1085-1104 June 20, 2013

31. Ali Balali,Hesham Faili,masoud asadpoor,Mostafa Dehghani,"A Supervised Approach for Reconstructing Thread Structure in Comments on Blogs and Online News Agencies", in: Computacion y Sistemas, magazine-no: 2, Page: 207-217 May 30, 2013

32. Nava Ehsan,Hesham Faili,"Grammatical and context-sensitive error correction using a statistical machine translation framework", in: Software Practice and Experience, magazine-no: 2, Page: 187-206 January 25, 2013

33. Amin Mansoori,Hesham Faili,Mohsen Arabsorkhi,"a1", in: Translations studies, magazine-no: 40, Page: 1-14 January 20, 2013

34. Saman Namdar,Hesham Faili,Shahram Khadivi,"Statistical Machine Translation (SMT) for Highly-Inflectional Scarce-Resource Language", in: International Journal of Information and Communication Technology, magazine-no: 5, Page: 39-52 December 1, 2012

35. Mohammad Sadegh Rasooli ,Hesham Faili,Maryam Aminian,"Unsupervised verb valency extraction in Persian language", September 22, 2012

36. Hesham Faili,HamidReza Ghader,Morteza Analoe,"Using Bayesian Approach for Grammar Induction", June 21, 2012

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38. mahmoud soltani,Hesham Faili,"Target Word Selection in English to Persian Translation using unsupervised approach", in: International Journal of Artificial Intelligence and Soft



Computing (IJAISC), magazine-no: 2, Page: 125-142 January 9, 2012

39. Nava Ehsan, Hesham Faili, "Stemming in Persian IR", September 23, 2011

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41. Hesham Faili, Mohammad Azad Nia, "The First Persian Context Sensitive Spell Checker", in: International Journal of Information and Communication Technology, magazine-no: 2, Page: 51-59 July 1, 2010

42. Hesham Faili, "using statistical parsing to improve phrasal verb translation from English to Persian", March 21, 2010

Books

1. Hesham Faili, "معماری هوش", ضیایی آذرخش, دانشجویی بسیج سازمان-طوسی الدین نصیر خواجه دانشگاه بسیج : : January 17, 2012

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2. Masoud Jalili Sabet, Hesham Faili, Gholamreza Haffari, "Improving Word Alignment of Rare Words with Word Embeddings", Japan December 17, 2016

3. Javid Dadash Karimi, Hossein Nasr Esfahani, Hesham Faili, Azadeh Shakery, "SS4MCT: A Statistical Stemmer for Morphologically Complex Texts", in: Springer International Publishing Switzerland, Portugal September 8, 2016

4. Farzaneh Ghayour Baghbani, Masoud Asadpoor, Hesham Faili, "Impact of Context on Social Influence", Iran March 12, 2016

5. Vahideh Reshadat, Maryam HourAli, Hesham Faili, "Improving Open IE using domain specific features", ایران کامپیوتر انجمن سالانه ملی کنفرانس, Iran March 10, 2016

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9. Habibollah Asghari, Khadije Khoshnava, Omid Fatemi, Hesham Faili, "Developing Bilingual Plagiarism Detection Corpus Using Sentence Aligned Parallel Corpus, Notebook for PAN at CLEF 2015", France September 11, 2015

10. AliReza Nourian, Mohammad Sadegh Rasooli, Mohsen Imany, Hesham Faili, "On the Importance of Ezafe Construction in Persian Parsing", China July 31, 2015



11. zahra taheri,Amin Mansoori,Mohsen Arabsorkhi,Hesham Faili,"FarazinBar",, همایش سومین ,, رایانشی زبانشناسی , Iran November 20, 2014
12. Javid Dadash Karimi,Azadeh Shakery,Hesham Faili,"A Probabilistic Translation Method for Dictionary-based Cross-lingual Information Retrieval in Agglutinative Languages",, Iran November 20, 2014
13. Habibollah Asghari,Jalal Maleki,Hesham Faili,"A Probabilistic Approach to Persian Ezafe Recognition",, Sweden April 30, 2014
14. Alireza Mahmoodi,Hesham Faili,Mohsen Arabsorkhi,"Modeling Persian Verb Morphology to Improve English-Persian Machine Translation",, Mexico November 30, 2013
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18. Farzane Zaree,Ali Basirat,Hesham Faili,Maryam S. Mirian ,"Automatic Enhancement of LTAG Treebanks",, Bulgaria September 11, 2013
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20. Ali Balali,Abouzar Rajabi,Sepehr Qasemi,masoud asadpoor,Hesham Faili,"Content Diffusion Prediction in Social Networks",, Iran May 24, 2013
21. Saman Namdar,Hesham Faili,Abdollah Khadivi-Khub,"study",, انجمن سالانه ملی کنفرانس هجدهمین ,, ایران کامپیوتر , Iran March 14, 2013
22. Saman Namdar,Hesham Faili,Shahram Khadivi,"Using morphological analysis for SMT improvement",, ایران کامپیوتر انجمن ملی کنفرانس هیجدهمین ,, Iran February 21, 2013
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27. kavosh Asadi,Hesham Faili,Kaveh Asadi,"Collocation Extraction using Parallel Corpus",, India August 3, 2012
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33. Ali Basirat, Hesham Faili, "Constructing Linguistically Motivated Structures from Statistical Grammars", September 14, 2011
34. Hesham Faili, "Unsupervised Learning for Persian WordNet Construction", September 14, 2011
35. Hesham Faili, "Statistical Machine Translation as a Grammar Checker for Persian Language", Luxembourg June 25, 2011
36. Hesham Faili, "TEP: Tehran English-Persian Parallel Corpus", Japan March 1, 2011
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38. Hesham Faili, Azadeh Shakery, "A structural rule-based stemmer for Persian", Iran December 6, 2010
39. Azadeh Shakery, Hesham Faili, "Creating a Persian-English Comparable Corpus", Italy September 23, 2010
40. Hesham Faili, "Automatic Persian WordNet Construction", China August 27, 2010
41. Hesham Faili, Ali Basirat, "Augmenting the Automated Extracted Tree Adjoining Grammars by Semantic Representation", China August 23, 2010
42. Hesham Faili, "Generating English-Persian Parallel Corpus Using an Automatic Anchor Finding Sentence Aligner", China August 23, 2010
43. Hesham Faili, "Detection and Correction of Real-Word Spelling Errors in Persian Language", China July 2, 2011
44. Hesham Faili, "Towards Grammar Checker Development for Persian Language", China August 23, 2010
45. Hesham Faili, "Affix Augmented Stem Based Language Model for Persian", China August 23, 2010
46. Hesham Faili, "PersianSMT: A First Attempt to English-Persian Statistical Machine Translation", Italy June 10, 2010
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48. Hesham Faili, "Subtitle translation", ایران کامپیوتر کنفرانس, Iran February 22, 2010
49. Hesham Faili, "ایران کامپیوتر انجمن کنفرانس", ایران کامپیوتر کنفرانس, Iran February 22, 2010
50. Hesham Faili, "using genetic algorithm for Persian Grammar Induction", China September 27, 2009



51. Hesham Faili, , "Classification of Persian textual documents using learning vector quantization",, China September 27, 2009
52. Hesham Faili,"From Partial Toward Full Parsing", September 16, 2009
53. ,Hesham Faili,"",, ایران کامپیوتر انجمن سالانه ملی کنفرانس چهاردهمین , Iran March 11, 2009
54. Hesham Faili,"An Experiment of Word Sense Disamiguation in a Machine Translation System",, China October 20, 2008

HONORS and AWARDS

ACADEMIC POSITIONS

COURSES OFFERED

Data Structures

Natural Language Processing

LABORATORIES

Natural Languages and Text Processing

Natural Languages and Text Processing