Personal Information   Rahim Dehkharghani

Work Address: 205, Second floor, Engineering faculty, University of Bonab, Velayat hifhway, Bonab, Iran
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Homepage: http://rtims.bonabu.ac.ir/~rdehkharghani/en/

Current Position:

- **2016-present:** Assistant Professor at computer Engineering group of University of Bonab, Bonab, Iran.

Education

- **2011-2015: PhD**, Graduated of computer science and engineering, Sabanci University, Istanbul, Turkey, GPA: 3.5 out of 4. Thesis topic: "Sentiment Analysis in Turkish: Resources and Techniques", Superviors: Prof. Yücel Saygın, and Prof. Berrin Yanıkoğlu.

- **Sep. 2006-2009: M.Sc**, Graduated of software engineering, Shahid Beheshti University, Tehran, Iran. GPA: 16.97 out of 20, *Thesis topic*: A Linguistic- Structural Approach to Bilingual Ontology Mapping, Thesis grade: 18.75 out of 20, *Supervisor*: Mehrnoosh Shamsfard, Associate Professor, Electrical and Computer Engineering Department, Shahid Beheshti University, Tehran, Iran.

- **2002-2006: B.S.,** Graduated of Software Engineering, Payam Noor University, Bonab, Iran. GPA 16.94 out of 20.

- **1999–2002: H.S. Diploma** in Mathematics, Top High School of Vali Asr, Bonab, Iran, GPA 16.24 Out of 20.

Research Backgrounds and Interests

Artificial Intelligence

- Sentiment Analysis
- Natural Language Processing
- Data Mining
- Deep Learning

Publication

Book

- **Dehkharghani, R**., Shamsfard, M.: "Bilingual Ontology Mapping", ISBN-13: 978-3-8433-9010-1, LAMBERT Publisher, Germany, 2011.

- **روشهای ارائه شفاهی و کتبی در مهندسی و علوم، رحیم دهخوارقانی، انتشارات عطران، 1397.**

Journal Papers

- **Dehkharghani, R**., SentiFars, a Persian Polarity Lexicon for sentiment analysis. ACM Transaction on Asian and Low-resource Language Information Processing, 2019.

- **Dehkharghani, R**., A Hybrid Approach to Generating Adjective Polarity Lexicon and its Application to Turkish Sentiment Analysis, I.J. Modern Education and Computer Science,
  DOI: 10.5815/ijmecs.2018.11.02, 2018.
- **Dehkharghani, R**., Building Phrase Polarity Lexicons for Sentiment Analysis, International journal of Interactive Multimedia and Artificial Intelligence, Vol. 5, pp. 98-105, 2018.
- **Dehkharghani, R**., Saygin Y, Yanikoglu B., Oflazer K.: "Sentiment Analysis in Turkish at different granularity levels.", Natural Language Engineering, Vol. 23, Issue 4, pp.535-559. 2017
- **Dehkharghani, R**., Saygin Y, Yanikoglu B., Oflazer K.: "SentiTurkNet: A Turkish Polarity Lexicon for Sentiment Analysis", Language Resources and Evaluation, **50**, pages 667–685, 2016
- **Dehkharghani, R**., Mercan, H., Javeed, A. Saygin Y. : "Sentimental Causal Rule Discovery from Twitter"., journal of Expert Systems with Applications, 2014.
- **Dehkharghani, R**., Shamsfard, M.: "Mapping Persian words to Wordnet Synsets", International Journal of Artificial Intelligence and Interactive Multimedia, Vol. 1, Nº 1., 2009.

- **رحیم دهخوارقانی**، حجت امامی، اعتبارسنجی ادعای بیمه بیکاری با استفاده از روش ترکیب طبقه‌بندها، نشریه پردازش علائم و داده ها، نوبت چاپ: سال 99.

- زهرا پاشایی، **رحیم دهخوارقانی**، مدل سازی بازار سهام با استفاده از مدل‌های هوش مصنوعی و مقایسه با مدل های کلاسیک خطی، نشریه پردازش علائم و داده ها، نوبت چاپ: سال 99.

Conference Papers

- **Dehkharghani, R, Hosseinzadeh, M.,** A Hybrid Approach to Sentiment Analysis and its Application to Persian, National Conference on Advances in Electrical, Electronics & Computer Engineering, Feb., 2019, Isfahan, Iran.
- **Dehkharghani, R:** "Natural Language Processing for sentiment analysis", National Conference on New Technologies in Electrical & Computer Engineering, Isfahan, Iran, 2017.
- **Dehkharghani, R.** Bashoki, Sh**.:** "Text summarization using sentiment analysis", National Conference on New Technologies in Electrical & Computer Engineering, Isfahan, Iran, 2017.
- Agahin S., Pehlivan, H.**, Dehkharghani, R**.,: "Adaptation and Use of Artificial Bee Colony Algorithm to Solve Curriculum-based Course Time-Tabling Problem", ISMS 2014, ,Malaysia, 2014 2014.
- Gezici G. **,Dehkharghani, R**., Yanikoglu B., Tapucu D., Saygin Y.: "SU-Sentilab : A Classification System for Sentiment Analysis in Twitter", Proceedings of the 7th InternationalWorkshop on Semantic Evaluation. Association for Computational Linguistics., 2013.
- **Dehkharghani, R**., Yilmaz C., "Automatically Identifying a Software Product's Quality Attributes through Sentiment Analysis of Tweets". ICSE Workshops, NaturalLise, California, USA, 2013.
- **Dehkharghani, R**., Yanikoglu B., Tapucu D., Saygin Y.: "Adaptation and Use of Subjectivity Lexicons For Domain Dependent Sentiment Classification", ICDM Workshop, Sentire, Belgium, 2012.

- Agahian S., Pehlivan H., **Dehkharghnai R**. : "Production of Feasible Timetables for Curriculum-based Course Timetabling Problem by Artificial Bee Colony",5th Engineering and Technology Symposium, Cankaya university, Turkey, 2012.

- **Dehkharghani**, **R.,** Shamsfard, M.: "Automatic Alignment of Persian and English Resources: A Linguistic-Structural Approach", **ICEIS WOrkshops,** NLPCS, Italy, 2009.

- Sharifloo, A. A., Motazedi, Y., Shamsfard, M., **Dehkharghani**, **R.: "**An Ontology for CMMI-ACQ Model", ICTTA, 2008.

- ارائه روشی نوین برای خوشهبندی در سیستمهای توصیه گر با استفاده از خودتشابهی، دومین کنفرانس ملی فناوری های نوین در مهدسی برق و کامپیوتر، بهمن 97، اصفهان، ایران

Google Scholar: https://scholar.google.com/citations?user=Fjn6GQgAAAAJ&hl=en

Teaching Experience
- Data structures
- Foundations of database management systems
- Programming Languages, Design and implementation
- Database systems
- Database Laboratory,
- Special English For Computer
- Computer Basics and Programming (Pascal, C++ and Java)
- Operating Systems
- Advanced Programming(C++ and Java)
- Data Mining
- Artificial Intelligence
- Academic writing and communication (graduate level)
- Natural language processing (graduate level)
- Machine learning (graduate level)

All courses tought at one of these universities: University of Bonab, Sabnaci University (Istanbul), Islamic Azad or Payam Noor universities of Bonab, Iran, from 2006 to 2019.

Honors and Awards
- **2011-2015:** Full scholarship at Sabanci University including 2000 Turkish Liras per month.
- 2007: SUMO Prize 2007, including 3000$ US for the best Domain Ontology of SUMO named CMMI-ACQ, By A.A. Sharifloo, **R. Dehkharghani**, Y. Motazedi and M. Shamsfard.
- 2006: Ranked 24th in Annual Global Olympiad of Computer Engineering, among all Computer Engineering students of national universities of Iran.
- 2006: Ranked 54th out of 9000 applicants for Graduate degree in Computer Engineering, Iran's National Universities entrance examination.
- 2006: Ranked 1st student in Payam Noor University of Bonab among computer students entering the
  university in 2002, Bonab, Iran.
- 2005: Ranked 2nd in annual scientific Contest of Computer Engineering , in all Computer Engineering students of Payam Noor universities of Iran.

Passed Cources in Graduate Level
Opinion Mining
Pattern Recognition

Machine Learning
Adavnced Bio-informatics
Automated Debugging
Advanced Data Structures and Algorithms
Knowledge and Ontology Engineering
Advanced Database systems
Decentralized Database Systems
Advanced Operating Systems
Advanced Computer Networks
Ultra Large Scale systems
Parallel Processing
Modeling and Simulating Computer Systems
Graduate Seminar
Scienticfic Writing and Communication
Basic and Intermediare German

Skills

- Computer Skills

  Programming Languages: Java, Python,C, C++, Visual C++, C#, C++Builder, Pascal, Delphi,
  Libraries for Deep Learning: Keras, Tensorflow.
  Knowledge Representation Languages: KIF, OWL
  Knowledge Engineering Tools: WordNet, SIGMA, Protégé,
  Operating Systems: Windows XP , Vista and 7, Linux (Ubuntu, Mint and Parsix), MS-Dos
  Office Tools: Microsoft Word, PowerPoint, Access and Excel
  Database Tools: Microsoft SQL Server
  Machine Learning and Data mining Tools: Weka, Matlab, RapidMiner
  Text editing and typing: Latex

- Language Skills

  Mother Tongue: Azerbaijani Turkish

	Reading	**Listening**	**Speaking**	**Writing**
English	Very good	Very good	Very good	Very good
Turkish	Very good	Excellent	Very good	Good
Persian	Excellent	Excellent	Excellent	Excellent
Arabic	Basics	Basics	Basics	Basics
German	Basics	Basics	Basics	Basics

Lectures

- **2017:** Scientific writing and communication, University of Bonab
- **2013:** Sentiment Analysis in Turksih, Tools and Resources, Sabanci University, Novermber 2013
- **2012:** Adaptation and Use of Subjectivity Lexicons for Domain Dependent Sentiment Classification, ICDM 2012, SENTIRE Workshop, Brussels, Belgium, Dec. 2012
- **2009:** A Structural-Linguistic Approach to Bilingual Ontology Mapping, Shahid Beheshti University, February 2009
- 2008: Ontology Mapping, Shahid Beheshti University, Tehran, Iran, April 2008
- 2008: CMMI-ACQ Ontology, Shahid Beheshti University, , Tehran, Iran, March 2008

Personal Details

Date and Place of Birth: 15th February 1984, Bonab, Iran
Marital Status: Married with no children.