



Personal Information **Rahim Dehkharghani**

Work Address: No 74, Khadivar alley, west Tangeh koocheh, Bahonar street, Bonab, Iran
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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”, Supervisors: Assoc. Prof. Yücel Saygin, and Assoc. Prof. Berrin Yanikoglu.
- **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, Assistant 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

- Sentimet Analysis
- Natural Language Processing

Publication

Book

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

Journal Papers

- **Dehkharghani, R.**, Saygin Y, Yanikoglu B., Oflazer K.: "SentiTurkNet: A Turkish Polarity Lexicon for Sentiment Analysis", Language Resources and Evaluation, 2015
- **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, N° 1., 2009.

Conference Papers

- 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 International Workshop 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., **Dehkharghnaï 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.

Under Review

- **Dehkharghani, R.**, Saygin Y, Yanikoglu B., Oflazer K.: "Sentiment Analysis in Turkish, Towards a Complete Framework". Natural Language Engineering , 2015.
- **Dehkharghani, R.**: "Building Adjective and Phrase Polarity Lexicons", Language Resources and Evaluation, 2015

Teaching Experience

- Programming Languages, Design and implementation
- Database systems
- Database Laboratory,
- Special English For Computer
- Computer Basics and Programming (C)
- Operating Systems
- Advanced Programming(C++)
- Computer Basics and Programming (Pascal)
- Scientific writing and communication (graduate level)
- Natural language processing (graduate level)
- Data Mining



Rahim Dehkharghani

PhD

Sentiment analysis, natural language processing

Verified email at sabanciuniv.edu - Homepage

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Adantation and use of subiectivity lexicons for domain dependent

All courses taught at one of these universities: Sabnaci University (Istanbul); state, Islamic Azad or Payam Noor universities of Bonab, Iran, from 2006 to 2015.

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 Courses in Graduate Level

- **At University**
 - 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
 - Scientific Writing and Communication
 - Basic and Intermediare German
- **Online Courses from Stanford University**

Writing in Science
Natural Language Processing
Machine Learning

Skills

- **Computer Skills**

Programming Languages: C, C++, Visual C++, C#, C++Builder, Java, Pascal, Delphi, Matlab
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, SQLite

Machine Learning: Weka, PRTools

Text editing and typing: Latex

- **Language Skills**

Mother Tongue: Azerbaijani Turkish

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

Lectures

- **2013:** Sentiment Analysis in Turkish, Tools and Resources, Sabanci University, November 2013
- **2012:** Adaptation and Use of Subjectivity Lexicons for Domain Dependent Sentiment Classification, ICDM 2012, SENTIRE Workshop, Brussels, Belgium, Dec. 2012
- A Supervised Lexicon and Polarity Based Approach to Sentiment Analysis, Sabanci University, Istanbul, Turkey, May, 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
- **2007:** SUMO Upper Ontology (Suggested Upper Merged Ontology), Shahid Beheshti University, , Tehran, Iran, November 2007

Personal Details

Date and Place of Birth: 15th February 1984, Bonab, Iran

Marital Status: Single