



MARYAM AMOOZEGAR

Assistant Professor at Kerman Graduate University of Technology

EDUCATION

Ph.D.: Computer Engineering (Software)

- Iran University of Science and Technology, Tehran, Iran
- Dissertation: Anomaly Detection in Dynamic Graphs using Algorithms for Tensor Decomposition
- Advisor: Dr. Behrouz Minaei Bidgoli

M.Sc.: Computer Engineering (Software)

- Iran University of Science and Technology, Tehran, Iran
- Thesis: Solutions for Applying Software Performance Model Feedbacks to Software Architecture Models
- Advisor: Dr. Mohammad Abdollahi Azgomi

B.Sc.: Computer Engineering (Software)

- Kharazmi University, Tehran, Iran

PUBLICATIONS

Journal Papers:

- M. Amoozegar and B. Minaei-Bidgoli, Mansour Rezghi, Hadi Fanee-T, "Extra-adaptive robust online subspace tracker for anomaly detection from streaming networks," *Engineering Applications of Artificial Intelligence*, vol. 94, p. 103741, Sep. 2020.
- M. Amoozegar and B. Minaei-Bidgoli, "Optimizing Multi-objective PSO based feature selection method using a feature elitism mechanism," *Expert Systems with Applications*, vol. 113, pp. 499-514, 2018.
- M. Amoozegar and H. Nezamabadi-pour, "A multi-objective approach to model-driven performance bottlenecks mitigation," *Scientia Iranica. Transaction D, Computer Science & Engineering, Electrical*, vol. 22, p. 1018, 2015.



- M. A. Abbasian, H. Nezamabadi-pour, and M. Amoozegar, "A clustering based archive multi objective gravitational search algorithm," *Fundamenta Informaticae*, vol. 138, pp. 387-409, 2015.
- M. Amoozegar, "A Two-Stage Approach for Pattern Recognition of Electricity Consumption," *Iranian Electric Industry Journal of Quality and Productivity*. Vol 5 (9) p. 48-57, 2016 (in Persian)
- M. Amoozegar "Adaptive Learning Systems Personalization Optimization Gravitational Search Algorithm," *Iranian Journal of Information processing and Management*, vol 29 (3), p.633-655, 2014 (in Persian)
- M. Amoozegar and M. Eftekhari, "Automatic Model-Based Software Performance Optimization Based on MOPSO," *Comput. Intell. Electr. Eng.*, vol. 2, no. 2, pp. 1-11, 2011 (in Persian)

Conference Papers

- M. Amoozegar and E. Rashedi, "Parameter tuning of GSA using DOE," in 2014 4th international conference on computer and knowledge engineering (ICCKE), 2014, pp. 431-436.
- M. Amoozegar and E. Rezvannejad, "Primer design using Gravitational Search Algorithm," in 2014 Iranian Conference on Intelligent Systems (ICIS), 2014, pp. 1-6.
- M. Amoozegar and H. Nezamabadi-pour, "Software performance optimization based on constrained GSA," in AISP 2012, 2012.

RESEARCH PROJECTS

- M. Amoozegar, S. Golestani, "Analysis and Segmentation of ADSL clients of Kerman Telecommunication Company", funded by Telecommunication Company of Kerman and Kerman Graduate University of Advanced Technology, 2016.
- M. Amoozegar, "Abnormal Pattern Recognition in Customer Consumption System", funded by Southern Kerman Electricity Distribution Company and Kerman Graduate University of Advanced Technology, 2014-2015.
- S. Mohammadi, M. Beheshti, A. Abkar, M. Amoozegar, "Comparison of artificial neural network, fuzzy logic, neo-fuzzy and one-linear regression methods in suspended sediment modeling of Halilrud watershed", 2015.

PATENT

S. Abdolahi jahdi, M. Amoozegar, H. Nafisi, Real-time monitoring system of urea, creatinine and uric acid during hemodialysis, IR patent, Application No 91559, filled Dec 24, 2015 an issued on 2017 March 11, 2017.



TEACHING

2010-2014

Principle of software engineering in Shahid Bahonar University of Kerman

2008-2010

Design and Analysis of Algorithms in Shahid Bahonar University of Kerman

2008-2014

Database Systems in Shahid Bahonar University of Kerman,

2008-2010

Database Systems and Principle of software engineering in Payam Noor University of Kerman

ACTIVITIES

- Consultant and Supervisor for companies in Kerman Science and Technology Park and Incubator Center, 2008-current
- Developer and software designer in Karmania and Arg Company, Kerman, Iran 2003-2008

SKILLS

Programming Language:

- Python, Matlab, .Net

Software:

- Weka, MiniTab, Cytoscape, gephi

