



ARDALAN GHASEMZADEH

Instructor of Computer Engineering

Urmia University of Technology(UUT)

EDUCATION

M. Sc. in Computer Engineering (Artificial Intelligence and Robotics) (2001-2003)-Shiraz University-Shiraz-Iran.

Thesis Title: Interactive Content Based Image Retrieval.

B. Sc. in Computer Engineering (Software) (1997-2000)-Kharazmi University-Tehran-Iran.

Thesis Title: Digital Image Processing.

RESEARCH INTEREST

- Machine Learning and Pattern Recognition
- Deep Learning
- Digital Image and Audio Processing
- Cryptography, Steganography, Watermarking
- Data Mining
- Database Design
- Programming
- Web Design

TEACHING EXPERIENCES

- Fundamentals of programming
- Advanced Programming
- Data Structures and Algorithms
- Algorithm Design
- Operating Systems
- Machines and Languages Theorem
- Compiler Design
- Database Design
- Computer Graphics
- Artificial Intelligence
- Data Mining
- Machine Language and Assembly
- Digital Circuits

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JOURNAL PUBLICATIONS

- Ghasemzadeh, A., & Esmaeili, E. (۲۰۱۷). A novel method in audio message encryption based on a mixture of chaos function. *International Journal of Speech Technology*, ۲۰(۴), ۸۲۹-۸۳۷. <http://doi.org/10.1007/s9452-017-10772-y>.
- Ghasemzadeh, A., Azad, S. S., & Esmaeili, E. (۲۰۱۸). Breast cancer detection based on Gabor-wavelet transform and machine learning methods. *International Journal of Machine Learning and Cybernetics*. <https://doi.org/10.1007/s-13042-2-0837-018>.

CONFERENCE PUBLICATIONS

- Ghasemzadeh, A. (2013). Using neural networks to decrypt encrypted images based on random algorithms. 12nd Iranian Conference on Intelligent Systems. Bam. Iran.
- Ghasemzadeh, A., Mirzayi, R., Kazemzadeh, R. (2014). ECG Signal Feature Extraction and Classification Using Wavelet Transform and Advanced Fuzzy Neural Networks (FANN). First Iranian Conference on Computer, Information and communication Technology. Marvdasht. Iran.
- Ghasemzadeh, A., Rashidi, P., Solouk, V. (2014). Associative Rules Extraction for decision making in heart disease based on Apriori algorithm. 2nd Iranian Conference on Applied Research in Computer Science and Information Technology. Tehran. Iran.
- Rashidi, P., Bagherzadeh, J., Ghasemzadeh, A. (2014). Predicting the Time Series Change in Stock Price Using Radial Function Neural Network by Choosing Effective Inputs. 2nd Iranian Conference on Applied Research in Computer Science and Information Technology. Tehran. Iran.
- Ghasemzadeh, A., Solouk, V., Rashidi, P. (2014). Content Based Color-Texture Images Retrieval based on Gabor-Wavelet Transform and Color Histogram. 2nd Iranian Conference on Applied Research in Computer Science and Information Technology. Tehran. Iran.
- Rashidi, P., Ghasemzadeh, A., Mazini, N. (2014). Stock Price Prediction Using RBF-Based Time-Location Neural Network. 2nd Iranian Conference on Applied Research in Computer Science and Information Technology. Tehran. Iran.
- Ghasemzadeh, A. (2015). A Novel Method for Digital Audio Hiding in Digital Images. 3rd Iranian Conference on Applied Research in Computer Science and Information Technology. Tabriz. Iran.
- Ghasemzadeh, A., Esmaeili, E., Bolouki, S. O. (2016). Handwritten Letters Classification based on Direction Features and Machine Learning Methods. 4th Iranian Conference on Information Technology, Computer and Telecommunication. Mashhad. Iran.
- Bolouki, S. O., Esmaeili, E., Ghasemzadeh, A. (2016). An Overview on aggregation focusing on technological challenges. 4th Iranian Conference on Information Technology, Computer and Telecommunication. Mashhad. Iran.

- **Omidvar, H., Biglari, F., Ghasemzadeh, A. (2016). A conjugate gradient method with sufficient reduction condition. 9th Iranian Conference on Nonlinear Analysis and its Applications. Qazvin. Iran.**