

In the Name of God

• Personal Information

First Name: Davood	Last Name: Zabihzadeh
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https://scholar.google.com/citations?user=2ltvcuMAAAAJ&hl=en	
https://www.researchgate.net/profile/Davood-Zabihzadeh-2	
Degree: Ph.D. in Artificial Intelligence from Ferdowsi University of Mashhad (FUM)	
RESEARCH INTERESTS: Machine Learning, Deep Learning, Machine Vision, Deep Neural Networks, Data Mining	

• Skills

Python (Advanced)

Good Knowledge about Deep Learning Frameworks: Pytorch and Keras

C# and .NET Framework (Advanced)

MATLAB in Machine Learning, Machine Vision, and Neural Networks (Advanced)

C++ (Advanced)

Microsoft SQL Server (Advanced)

ASP.NET (Basic)

We Design: HTML, CSS, JavaScript, and Bootstrap: (Basic)

UML and Software Development Process (Moderate)

• RESEARCH EXPERIENCE

Deep Similarity Learning, Image Search

Breast Cancer Detection using Deep Neural Networks

Medical Imaging: COVID-19 Recognition from Chest X-ray Images using Deep Neural Networks

EEG Signal Processing: Emotion Recognition, Identifying Epilepsy

Text Mining: Sentiment Analysis, Fake News Detection in Social Media.

Automated planning and scheduling using meta-heuristic approaches (Genetic Algorithm, Particle Swarm Optimization)

- **WORK EXPERIENCE**

Faculty member in Hakim Sabzevari University: 2019 – until now

Head of Computer Engineering Department in Hakim Sabzevari University: 2019 – until now

Faculty member in Asrar Institute of Higher Education: 10 years

Head of Computer Engineering Department in Asrar Institute of Higher Education: 2 years

System analyst and project manager in Asaa Soft <http://asaasoft.org/>

- **Published Journal Papers**

- 1- Davoud Zabihzadeh, Sattar Hashemi, Ying Yang, and Mohammadreza Kangavari2, "Detecting intrusion transactions in databases using data item dependencies and anomaly analysis, *Expert Systems*, November 2008, Vol. 25, No. 5 (ISI Journal Q2, IF: 2.587)
- 2- Davood Zabihzadeh, Mohammad H. Moattar, Manifold learning based speaker dependent dimension reduction for robust text independent speaker verification, *Int J Speech Technology*, DOI 10.1007/s10772-014-9228-6, 6 February 2014, Springer (SNIP:1.08)
- 3- Davood Zabihzadeh, Reza Monsefi*, Hadi Sadoghi Yazdi, Sparse Bayesian similarity learning based on posterior distribution of data, *Engineering Applications of Artificial Intelligence*, Volume 67, January 2018, Pages 173-186, ISSN 0952-1976 (ISI Journal Q1 IF: 6.212)
- 4- Zabihzadeh, D., Monsefi, R*. and Yazdi, H.S., 2019. Sparse Bayesian approach for metric learning in latent space. *Knowledge-Based Systems*, 178, pp.11-24 (ISI Journal Q1 IF: 8.038)
- 5- Hajiabadi, H., Babaiyan, V., Zabihzadeh, D. and Hajiabadi, M., 2020. Combination of loss functions for robust breast cancer prediction. *Computers & Electrical Engineering*, 84, p.106624. (ISI Journal Q2 IF: 3.818)

- ۶- Al-Obaidi, Sumia Abdulhussien Razooqi, Davood Zabihzadeh, and Hamideh Hajibadi. "Robust metric learning based on the rescaled hinge loss." *International Journal of Machine Learning and Cybernetics* 11, no. 11 (2020): 2515-2528, (ISI Journal Q2 IF: 4.012).
- ۷- Rasheed, Ali Salim, Davood Zabihzadeh, and Sumia Abdulhussien Razooqi Al-Obaidi. "Large-scale multi-modal distance metric learning with application to content-based information retrieval and image classification." *International Journal of Pattern Recognition and Artificial Intelligence* 34, no. 13 (2020): 2050034 (ISI Journal Q4 IF: 1.375).
- ۸- Hamdan, Baida, and Davood Zabihzadeh. "Large-Scale Local Online Similarity/Distance Learning Framework Based on Passive/Aggressive." *International Journal of Pattern Recognition and Artificial Intelligence* 35, no. 15 (2021): 2151017 (ISI Journal Q4 IF: 1.375).
- ۹- Mousavirad, Seyed Jalaleddin, Davood Zabihzadeh, Diego Oliva, Marco Perez-Cisneros, and Gerald Schaefer. "A grouping differential evolution algorithm boosted by attraction and repulsion strategies for masi entropy-based multi-level image segmentation." *Entropy* 24, no. 1 (2021): 8.
- ۱۰- Mousavirad, Seyed Jalaleddin, Diego Oliva, Ripon K. Chakrabortty, Davood Zabihzadeh, and Salvador Hinojosa. "Population-based self-adaptive Generalised Masi Entropy for image segmentation: A novel representation." *Knowledge-Based Systems* 245 (2022): 108610.
- ۱۱- Zabihzadeh, Davood, Amar Tuama, Ali Karami-Mollaee, and Seyed Jalaleddin Mousavirad. "Low-rank robust online distance/similarity learning based on the rescaled hinge loss." *Applied Intelligence* (2022): 1-24.
- ۱۲- داود ذبیح زاده، سعید زاهدی، رضا منصفی، "ارائه یک روش موثر برای یادگیری مقاوم متريک در برابر نويز برچسب"، مجله علمي پژوهشی پردازش علائم و داده ها، ۱۴۰۰ وضعیت: پذیرش شده در نوبت چاپ.

• Conference Papers

1. A. Abedi, R. Monsefi and D. Zabihzadeh, "Weighted semi-supervised manifold clustering via sparse representation," 2016 6th International Conference on Computer and Knowledge Engineering (ICCKE), Mashhad, 2016, pp. 235-242. doi: 10.1109/ICCKE.2016.7802146 (Selected as Best Conference Paper)

2. Baida Hamdan, Davood Zabihzadeh and Reza Monsefi(2018). Online Local Metric Learning based on Passive/Aggressive. "4'th International Conference on Computer Science Information Technology" by Sajad University of Technology, Khorasan Razavi, dated 24/02/2018 in Mashhad(**Selected as Best Conference Paper**)
3. Moattar, M. H., et al. (2006). Persian Text Normalization using Classification Tree and Support Vector Machine. Information and Communication Technologies, 2006. ICTTA '06. 2nd.

۴- داود ذبیح زاده، رضا منصفی، " مقاوم سازی روش های یادگیری متريک در برابر داده های پرت" ، ۱۳۹۹، هفدهمین کنفرانس سیستم های هوشمند، اولین کنگره محاسباتی هوش مصنوعی ۲۰۲۰

۵- ذبیح زاده خواجهی، داود و محمد رضا کنگاوری، ۱۳۸۴، تشخیص نفوذ در پایگاه داده با استفاده از تحلیل وابستگی بین داده ها،
یازدهمین کنفرانس سالانه انجمن کامپیوتر ایران، تهران، انجمن کامپیوتر ایران، مرکز تحقیقات فیزیک نظری و مخابرات،

۶- صدیقه خواجهی نژاد^۱، داود ذبیح زاده خواجهی^{*}، ارایه یک روش جدید برای سیستم هوشمند راهنمای انتخاب واحد دانشجویان
با استفاده از الگوریتم ژنتیک، اولین همایش ملی مهندسی برق و کامپیوتر در شمال کشور خرداد ۱۳۹۳