

CURRICULUM VITAE

Leila Malihi

Email: malihil2@yahoo.co.uk

EDUCATION

- | | |
|------------------|---|
| 11.2020- present | Research assistant
Cognitive science
Osnabrück university |
| 10.2011-09.2013 | Master of Science
<i>Electrical Engineering</i>
Shahid Chamran University, Ahvaz, Iran
Thesis: Malaria parasite detection using fusion of classifier and morphology (Grade: 19.6/20) |
| 10.2007-09.2011 | Bachelor of Science
<i>Electrical Engineering</i>
Shahid Chamran University, Ahvaz, Iran
Thesis: Face detection using neural network |
| 10.2002-09.2006 | High school
<i>Physics and Mathematics</i>
Farzanegan, National Organization for Development of Exceptional Talents (NODET)
Khorramabad, Iran |

PUBLICATIONS

Journals

- Malihi. L., Malihi. R., Single stuck-at-faults detection using test generation vector and deep stacked-sparse-autoencoder, SN applied science Springer Journal, 2(10), **2020**, 1-10.
- Malihi. L., Ansari-Asl. K., Behbahani. A., *Improvement in Classification Accuracy Rate Using Multiple Classifier Fusion towards Computer Vision Detection of Malaria Parasite (Plasmodium vivax)*, Jundishapur journal of health sciences, 7(3):e25114, pp.26-32, **2015**.
- Malihi. L., Ansari-Asl. K., Behbahani. A., *Computer-Aided Diagnosis of Malaria Parsite using Patern Recognition Methods*, Ajums Journals, 14(1), pp.65-74, **2015**.

Conferences

MALIHI.L., HÜBNER. U., etc, Can Synthetic Images Improve CNN Performance in Wound Image Classification?, Medical Informatic Europe (MIE), **2023**.

Hüasers. J., Moeleken. M., Richter. M. , Przysucha. M., Malihi. L., etc, *An Image Based Object Recognition System for Wound Detection and Classification of Diabetic Foot and Venous Leg Ulcer* , Medical Informatic Europe (MIE), **2022**.

Malihi. L., Hüasers. J., *Automatic Wound Type Classification with Convolutional Neural Networks*, International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), **2022**.

Richter M.L, Malihi. L, Windler, A.K.P., Krumnack. U, Exploring the Properties and Evolution of Neural Network Eigenspaces during Training, 2021,Machine Vision and Image Processing (MVIP), IEEE, **2021**.

Nazari. H, Rostami.R, Malihi. L, Optimal operation through scheduling TOU by GA considering units uncertainties, IEEE ARES, **2018**.

Malihi. R.,Malihi. L., Noorinia.J., *New monopole planar implant antenna for medical application*,5th international conference on information technology,**2018**.

Ebadi.S.M., PoorMohamad.A. ,Malihi.L. , Airport extraction from satellite images, International conference on fundamental research in electrical engineering, **2017**.

Malihi.L., Ansari-Asl. K., *Automated Malaria Parasite Detection in Thin Blood Smear*, International Conference on Research in Science and Technology, Kualalumpur, Dec. **2015**.

Malihi. L., Ansari-Asl. K., Behbahani. A., *Improvement on Automatic Diagnosis of Malaria Parasites Using Red Blood Cells Mask*, 7th international congress clinical microbiology, shiraz, Oct.**2013**.

Malihi. L., Ansari-Asl. K., Behbahani. A., *Malaria Parasite Detection in Giemsa-stained Blood Cell Image*, Machine Vision and Image Processing (MVIP), IEEE, pp. 360 – 365, Sep.**2013**.

WORK EXPERIENCES

11.2020- present	Osnabrueck University Research assistant Osnabrueck, Germany
07.2016- 12.2019	Chief technology manager Aflak-Electro-Gostar-Mehr Company Lorestan, Iran

09.2013-12.2017 **Lecturer**
Electrical Engineering Faculty
University of Applied Science and Technology
Lorestan, Iran

09.2013-12.2017 **Lecturer**
Electrical Engineering Faculty
University of Payame noor
Lorestan, Iran

09.2013-10.2014 **Lecturer**
Electrical Engineering Faculty
University of Ekbatan
Qazvin, Iran

TEACHING

01.2023- 07.2023 **Machine learning**
Osnabrueck University, Osnabrück, Germany

04.2021- 10.2021 **Advanced topics in deep learning**
Osnabrueck University, Osnabrück, Germany

10.2015-02.2018 Course: **Image Processing**
University of Applied Science and Technology, Lorestan, Iran

08.2018-12.2018 Courses: **Matlab**
Jahad daneshgahi of Kerman, Kerman, Iran.

10.2015-02.2016 Course: **Electrical Measurement**
University of Applied Science and Technology, Lorestan, Iran
University Lorestan, Iran

10.2014-02.2015 Course: **Electronics 3**
Ekbatan University, Qazvin, Iran

10.2014-02.2015 Course: **Signals and Systems**
Ekbatan University, Qazvin, Iran

RESEARCH PROJECTS

11.2021- present Automatic Wound type classifications

11.2020- 11.2021 Child face recognition using deep transfer learning

06.2017-05.2018 Breast and prostate cancer detection using sparse classifiers
10.2016-05.2017 Image compression and reconstruction using deep Auto encoder

05.2016-01. 2017	Noise elimination of electrocardiogram signal using deep neural network
08.2015-09.2016	Malaria parasite species detection in Giemsa stained images of thin Blood Film
01.2016-09.2016	Scene detection using sparse coding and fusion of classifiers
02.2016-05.2016	Face detection using Gabor filter and support vector machine
02.2016-07.2016	Face detection using sparse coding and fusion of classifiers
10.2014-10.2016	Automatic detection of cardiac hypertrophy using electrocardiogram signal and deep neural network
10.2011-09.2013	Malaria parasite detection using fusion of classifiers and morphology

STUDENT SUPERVISION

6.2023-12.2023	Evaluation of Generative Model <i>Master thesis, University of Osnabrück, Osnabrück, Germany</i>
10.2022-04.2023	A Comparative Study of Deep Learning Models for Glaucoma Detection using Fundus Images, Segmentation Maps and Ophthalmic Metrics <i>Master thesis, University of Osnabrück, Osnabrück, Germany</i>
05.2015-09.2016	Face detection using fusion of classifiers <i>Bachelor thesis, University of Payame Noor, Lorestan, Iran</i>
03.2016-04.2017	Panorama image with Sift algorithm <i>Bachelor thesis, University of Payame Noor, Lorestan, Iran</i>

HONORS

2011	2 nd ranked in Bachelor, Shahid Chamran University, Ahvaz, Iran
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LANGUAGES

Persian	Native
English	Fluent (spoken, written)