



MOJTABA FARZANEH
Master of Electronic Engineering

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ABOUT ME

My Name is Mojtaba Farzaneh from Iran. I have Studied Electronic Engineering at Hakim Sabzevari University, and now with about 5 years research and teaching experience at Sabzevar University of New Technologies, I have some patents, more than 4 Papers and some International and national Awards. I am professional in Digital Systems, Python, MATLAB, Delphi, and C++ Programing. Most of my activities are around Robotic, Image Processing, Artificial Intelligence and Biomedical data processing.

EDUCATION

[MS in Electronic Engineering](#)
2012-2014

Hakim Sabzevari University

Sabzevar,Iran

Thesis: Flexible Capacitive Tactile sensors, Design and Implementation

First Advisor: Dr. Baghaei Nejad

Second Advisor: Dr. Hajipour

I had design and Fabrication of new model of Tactile Sensors that could be Flexible and can use in any type of uses.

[BS in Electronics Engineering](#)
2008

Azad Sabzevar University

Sabzevar (Iran)

Thesis: Disabled Robot

Adviser: Dr. Khoshbin ghomash

SOME OF PATENTS

2014
2013
2013
2010
2008
2008
2008

- Analytical data trasmission system including echocardiogram and Ultrasound
- Designing a new capacitive touch sensor
- Fault-Tolerant Control of Wind Turbines Based on fuzzy controller
- AVR coder software
- Graphic communication of AVR microcontrollers with user
- Small Printer (A4 Size), capable of printing paper in unlimited size
- A new blood cell counter set

PUBLICATIONS | [Google Scholar](#)

2019
2019
2016
2016
2014
2013
2013
2012

- Energy comparison of MPPT techniques for PV Systems under different atmospheric Conditions HKMF com. Global Scientific Journals 7 (8), 1216 (2019)
- Diagnose the Size of Left Atrial Appendage for Watchman Device. HKMF com Biomedical Sciences 5 (No. 4), 38-44,
- "Flexible Capacitive Sensorsbased on paper sheets." (2016) Fatahi, Masoome, Mojtaba Farzaneh, and SeyedJavad Azimfar.
- Accelerate the Face Recognition Technique Optimization with Spatial context model and discrete cosine transform (DCT)." Mojtaba Farzaneh, Toktam Ebrahim zade, Masoome Fatahi "
- "Simulation of Wind Generator with Fixed Wind" M. Motahari, M. Farzaneh, A. Parsian Nejad.
- Turbine under Matlab-Simulink". World Academy of Science, Engineering and Technology, International Journal of Energy and Power Engineering Vol: 1, No: 12, 2014.
- Accelerate the Face Detection Optimization with Edge Detection and the Discrete Cosine Transform (DCT)", International Journal of Computer Applications 82 (2), 12-14. November 2013. DOI: 10.5120/14086-1197 J. Haddadnia, M. Farzaneh, A. ParsianNejad. "
- "A Novel Methodfor Optimum Electrical Energy Harvesting from Wind Turbines: A Space-Time Modelfor Wind Farm by Neuro-Fuzzy Strategy." Journal of Control 6.3 (2012). Shojaedini, Seyed Vahab, Armin Parsian'nejad, and Mojtaba Farzaneh.

CERTIFICATES

- 2019 • [Participate in Amsterdam Drone Wake](#)
- 2018 • [Participate in German open 2018 competitions](#)
- 2016 • [American Gold Merit Awards 2016](#)
- 2016 • [Accept to the comprises 41 entries covering the full spectrum of vision technologies, from sensors to embedded systems in Vision trade fair in Stuttgart \(2016\)](#)
- 2012 • [1st place in Khwarizmi Robotic Tournament \(Surgeon Robot\) \(2012\)](#)
- 2011 • [Secretary of the Scientific Committee on Tehran Robotics Tournament \(2011\)](#)
- 2011 • [Referee of Babol's Robotics Tournament](#)
- 2010 • [1st place in Khwarizmi Youth Festival, 2010](#)
- 2010 • [1st place in second International AUTOCUP Robotic competition, 2010](#)
- 2009 • [Become Member of the National Elite Foundation, since 2009](#)

EXPERIENCES

2016-2019
Sabzevar,Iran

TEACHING EXPERIENCE

- Fundamentals of Electronic Engineering-Lab
- Microprocessors Lab
- Project
- Information Technology Project
- Electronic Lab I
- Electronic Lab II

WORK EXPERIENCE

- | | | | | |
|--|--|--|---------------------|--------------------------|
| | | Andishe Seturg Pouya Co. | R & D | 03/03/2016 |
| | | | | Present |
| | | Beyhagh Company | Robotics Engineer | 01/02/2014
04/02/2016 |
| | | Boshra Company, Tehran (Iran) | Electronic Engineer | 01/02/2008
04/02/2012 |

RESEARCH EXPERIENCE

- | | |
|---|---|
| <ul style="list-style-type: none"> 2020 • BAT – Be Aware of Traffic 2020 • Number Plate Recognition 2018 • IRSA 2 Robot 2018 • FOOKA Robot - 2018 2016 • Germany Vision Award 2015 • Fuzzy Wind | <ul style="list-style-type: none"> 2019 • Skin Cancer (Melanoma): In This System we give Picture of Skin and then after some of calculation, segmentation and processing result is about detect Melanoma or naevus. Technology/Image Processing-AI-CNN. 2019 • Left Atrial Appendage (LAA) Detection: These processes utilize images that were taken by echocardiography (Echo) from the heart of patients and analyzes at high speed with precision, and used the standard table provided by the manufacturer (WATCHMAN) and Neural Network (NN) to determine the accuracy and the appropriate size of LAA for left atrial appendage closure (LAAC). |
|---|---|
- Technology/Tools: Python, Pascal, MySQL, MATLAB, C++

TECHNICAL SKILLS

Python		Electronic Digital/Analog		AutoCAD	
Delphi		Image Processing		Automation Systems	
C++		Artificial Intelligence		Microsoft Kinect	
Microcontroller		Machine Learning		Microsoft Office	

HIGHLIGHTS

Team Work		Innovative		Communication	
Good Researcher		Teaching		Problem solving	

REFERENCE

- | | | |
|--|----------------------------|-----------------------|
| • Professor Mohammad Bagher Menhaj | Amir Kabir University | menhaj@aut.ac.ir |
| • Professor Javad Hadadnia | Hakim Sabzevari University | jhaddadnia@yahoo.com |
| • Dr. Masoud Baghaei Nejad | Hakim Sabzevari University | mbnejad@gmail.com |
| • Dr. Reza Roshanfekr | Hakim Sabzevari University | roshanfekr@iust.ac.ir |