

Dr.Amir Sharifi Miavagh



CONTACT

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Birth Day:

29/08/1978

LANGUAGES

English IELTS 6 (2014)

Turkish Native

Persian Second Language

EDUCATION:

- Ph.D in Solid State of Physics in Urmia University

Thesis Title: The Simulation of Grapheme – based perovskite solar cell using non – equilibrium green function (NEGF)

- M.S Degree in Solid State of Physics in Islamic Azad University, Urmia Branch

Thesis Title: Empirical analysis and numerical simulation of frictional forces in severe plastic deformation processes

- Bachelor Degree of in Solid State of Physics in Urmia University

ADDITIONAL SKILLS :

- solar cells fabrication, design and construction of photovoltaic station
- Solar Cells simulation with LUMERICAL software with (FDTD Solution, DEVICE, INTERCONNECT AND MODE Solution)
- Solar Cells simulation with SCAPS software Solar cells

Papers :

- [A Novel Method to Detect Partial Shadow Effects in Perovskite-Based Simulated Solar Cell System Faults](#)

ASMA Esmaeili

Micromachines 2023, 14(4), 832; <https://doi.org/10.3390/mi14040832> 14

- [A Novel Method for Flexible Solar Energy Generation System Fault Detection Using Optimally Structured Convolution Neural Networks](#)

M Vasegh, A Sharifi Miavaghi

Electric Power System,2023

- [Numerical simulation of graphene nano strip based heterogeneous solar cell to improve Voc cell filling factor](#)

M Amir Sharifi Miavaghi

6th International Seminar on New and Renewable Energies,SINER 2020,and ...

- [Optimization of cathodic protection of underground reservoirs of fuel stations and experimental analysis of changes Reservoir life and economic savings](#)

MEKM Amir Sharifi Miavaghi1, Aliyar Boustani2

2nd International Conference New Technologies in the Oil, Gas and ...

- [Investigating the effect of cold plasma on plant living cells](#)

A • Zahra rezaee,Mohammad taghi ahmadi

1 International conference on Science,Engineering,Technology and

Tech ...

- [A Rapid Synthesis of Vertically Aligned Taper-Like K-Doped ZnO Nanostructures to Enhance Dye-Sensitized Solar Cell Efficiency](#)

HN Amir Sharifi Miavaghi, Miragha Musavi

Jom-springer (ISI) Q1 71 (843)

- [Experimental Modeling of Dry Friction Coefficient between Steel and Aluminum Alloy in the Condition of Severe Plastic Deformation](#)

AS Miavaghi, H Kangarlou

Dicle Üniversitesi Fen Bilimleri Enstitüsü Dergisi 6 (1), 10-16

- [Comparison Between Frictional Behavior of the Soft and Brittle Materials at Different Contact Pressures](#)

AS Miavaghi, H Kangarlou, M Eskandarzade

Lebanese Science Journal (ISC) 18 (1), 98

- [Calculating the Force of Torsional Spring Affected by Environmental Changes and its Effect on the Function of Spatial Mechanisms](#)

MA Amir Sharifi Miavaghi

.Journal of IJAEM

- [Analytical solution of dynamic thermo elasticity problem for the FGM thick-walled sphere',Journal of mathematics](#)

masoud ajri khamselou Saeed momeni, Amir sharifi miavaghi

Journal of mathematics 10 (5)

- [Presenting an Appropriate Way of Reducing Delay Cracking of Pipeline Systems](#)

AS MIAVAGHI

31conference of the European Working Group on Acoustic Emission

DESDEN,GERMANY

2014

Book :

- Metal oxides and perovskite solar cells 2023

Fabrication (patent) :

- Amir Sharifi Miavaghi 2018. Spin Coater Machine.Urmia University Patent, Iran.

Reviewing of research projects:

- Reviewing on the construction of the pendulum cutter machine
- Reviewing on the construction of the ATWOOD car
- Reviewing on the construction of inclined plane
- Reviewing the projectile movement

Reviewing papers :

- MDPI Journals Reviewer
- INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETIC
"Improved Automatic Image Annotation Based on Neighbor Voting Using Clustering",2017
- INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETIC
"Extreme Learning Machine for Room Recognition based on Laser Scanning",2017
- INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETIC
"Improving Metric Access Methods with Extended Regions on a Large Scale",2017

Teaching Experience :

- Teaching Basic Physics Lessons at Urmia University of Technology
- Teaching the first and second basic physics courses and physics of physics and mechanics since 2010 at the nonprofit university of Kamal Urmia
- Teaching the technology of solar cell systems at the university of Saba Urmia
- Teaching Basic Physics Lessons at Nazhand University of Urmia
- Teaching Lessons of Nondestructive Testing of Welding and Welding Technology from 2010-2010 at Urmia University of Technology

Research Activities :

- Master of Engineering and Operations Management, Qazvin Imam Khomeini International University
- Has a Level 2 Inspection Certificate (AWS 2) from the TUV-TUBITAK Academy

Research projects:

- Design and construction of an electro-polishing device for orthopedic implants, Atra Orthopedic Co., 2012, completed, as the main contributor to the design.

- Design and manufacturing of orthopedic aluminum staining machine, Atra Orthopedic Co., 1396, completed as the main fellow of the design.
- Analysis of the modification of the operating conditions of polyethylene networks with the approach to reduce their implementation constraints, running, the main collaborator of the project

Executive experience:

- Manager of the manufacturing and manufacturing workshop of Urmia University of Technology from 2013 to 2016
- Secretary of the Workers' Union of Urmia University of Technology from 2015 to now
- Director of the Department of Basic Sciences of the Kamal Non-Profit University from 2012 to 2014
- Member of the Disciplinary Committee of Kamal University of Uremia from 2012 to 2013

Holding specialized training courses:

- Hold a welding inspection period and performing non-destructive tests for oil and gas pipelines for Jahad Nasr Lorestan Company's oversight engineers, with si-sakht engineers
- Hold a welding inspection period and performing non-destructive testing of oil and gas pipelines for your Green Rising Green Engineer's engineers, with si-sakht engineers
- Holding the pressure relife station of pipeline gas station for supervisory engineers from KHIZESHE SABZE SHOMAL Company, a provider of urban networks in Zanjan and Gilan provinces.
- Holds the piping course for engineers of the new Urmia Oil Storm Project

Executive background in projects:

- Project of construction of new Urmia oil storage, including construction of reservoirs and implementation of piping system
Under the title: Mechanical Supervisor and Deputy Head of the Supervisory Group of the New Urmia Oil Depot from August 25, 2010 to July 31, 2011
Client: Iran Oil Distribution Company
Contractor: Petropart Corporation Energy Development Partnership Middle East
Supervision KHIZESHE SABZE SHOMAL

Consulting Engineers

- Gas pipeline project implementation project 30 Industrial Complex Phase 3 Urmia, 25 km from the pressure station of C.G.S Urmia to the Mako Kandy Pressure Strengthening Station
Under the title: Mechanical Supervisor and Supervisor of the Supervisory Group from 2009 to 2010
Employer: Iran Gas Development and Engineering Company
Contractor: Sabalan Welding Company
Supervision: S & C Consulting Engineers Co.
- Project on the implementation of the crude oil transfer pipeline "24 AS'ar-Ra'zan, 115 km long between the cities of Poldkhtar, Khorramabad, Shazand Arak and the construction of Ahvaz and Omidieh pumping stations
Title: Mechanical Supervisor and Deputy Head of Supervisory Group from 2008 to 2009
Employer: Iran Oil Pipeline Company
Contractor: Jahad Nasr Lorestan Co. and Rampco Co.
Supervision: Pars Consulting Engineers Co.
- Project on the implementation of gas transmission line "30 south-north of Urmia for 35 km
Title: Welding Supervisor engineer from 1/2/1386 to 31/5/1387
Employer: Iran Gas Development and Engineering Company
Contractor: Navrood Co.
Supervision: Pars Consulting Engineers Co.
- Project on the implementation of Qushchi and Bari gas pipelines feed line and the construction of pressure reduction stations
Under the title: Engineer Nazerqim from February 22, 2006 to May 31, 2007
Employer: National Iranian Gas Company, Urmia Region
Contractor: Sahand Isan Co. Tabriz
Supervision: PetroFARAYAND Energy Consulting Engineers Co.
- Project for implementing the city network of Khoy and Firouqh
Title: Engineer of the Line Supervisor from 20/11/1382 to 20/2/1385
Chairman of the Board of Directors and Project

Manager of Savalan Damir Yol

REFERENCES

References available on request