

CURRICULUM VITAE

Personal Data

Name: Araz Saleki
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E-mail: araz.slk@gmail.com
Date of birth: 12 May 1992
Nationality: Iranian
Sex: Male
Marital status: Single

Education

2011-2015 Bachelor's degree, Electrical and Electronics Engineering.
Arak University of Technology, Arak.
2015-2017 Master's degree, Electrical and Electronics Engineering, Power System.
K. N. Toosi University of Technology, Tehran.

Work Experience

2014-Present Vehicle, Fuel and Environment Research Institute (VFERI), University of Tehran.
Post: Research and Development Engineer
2015-Present Advanced FACTS and Power Quality Research Laboratory, K. N. Toosi University of Technology, Head: Professor Mohammad Tavakoli Bina
Post: Research Assistant
2016 10-Present Satellite Research Institute
Post: Research and Development Engineer
2017- Present IEEE Student member

Projects Experience/Activities

2016 Prediction reliability of power circuits of Nahid 2 Sattellite
2015-2016 Design and Construction of Traction Drive for Hybrid Electric bus
2016 November Design and Construction of DC/DC Converter for Sattellite (Nahid 2)
2015 Studying and Simulation of Power loss of IGBT Switches
2015 Estimation and Coding of Junction Temperature of IGBT Switches in Traction Drive
2015 October Studying and Simulation of VR and P.M. Stepper Motor
2014-2016 Construction of Battery Pack for Trolleybus
2014 Design and Simulation of Hybrid Electric Vehicle Runna

2014	Simulation of stability of power system at 50Hz frequency with control volume of Turbine gas (Governor droop)
2013	Simulation and Construction of single phase rectifier
2013	Simulation and Construction of Sound amplifier

Languages

Persian: Native or bilingual proficiency
 Azerbaijani: Native or bilingual proficiency
 English: Limited working proficiency

Computer Skills

Electrical Engineering Software Programming Microcontrollers	Pspice, Altium Designer, Proteus, Matlab, PSCAD Code vision, Keil, C, C++ AVR, ARM
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Certificates

ARM Microcontroller

Research Interests

Fault Tolerant
 Fault Diagnosis
 Modular Multilevel Converters
 HVDC
 FACTS
 Motor Controllers and Drive System
 STATCOM
 Renewable Energy
 Hybrid Electric Vehicles
 Protection of Power Converters
 Hybrid Electric Vehicles
 Power Electronics
 Power Converters

Publications

- [1] M. Changizian, A. Zakerian, A. Saleki, "Three-phase multistage system (DC-AC-DC-AC) for connecting solar cells to the grid," International Conference on Fundamental Research in Electrical Engineering (ICEEC), Tehran, Iran, 2017.
- [2] A. Saleki, S. Rezazade and M. Changizian, "Analysis and simulation of hybrid electric vehicles for sedan vehicle," 2017 Iranian Conference on Electrical Engineering (ICEE), Tehran, 2017, pp. 1412-1416.
- [3] H.Moghbeli, A.Saleki , S.Rezazade, "Design and Simulation of electric drive for hybrid vehicle Runna," National Conference of Technology , Energy and Data on Electrical & computer engineering 1394

References

Prof. Mohammad Tavakoli Bina , K. N. Toosi University of Technology , Tehran , Iran.
Dr. Hassan Moghbeli , Arak University of Technology , Arak , Iran.