

Curriculum Vitae

Personal information

First name / Surname Parniyan Tayebi
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Nationality IRANIAN
Date of birth Sep 14, 1987
Gender female

Research Interest Areas

- ✓ DC/DC converters, DC/AC inverters
- ✓ Power System Analysis & Design
- ✓ Photovoltaic
- ✓ Control of Power electronic systems
- ✓ Renewable energy systems
- ✓ Power quality improvement of grid connected inverter systems
- ✓ Electrical Machines and Variable Speed Drives

Education and training

MSc Sep 2012- Sep 2013
Principal subject Electrical Power (EP) Engineering
Name of organisation Newcastle University, UK
providing education and training The programme is covered six advanced topics: Power Electronics, State Space Analysis and Controller Design, Control of Electric Drives, Design of Modern Electrical Machines and Drives , Electrical Machines , Power Systems Operation, also advanced knowledge, skill and other attributes associated with the theme of Electrical Power are gained such as: Modeling and analysis of engineering systems, processes and products ,Design of systems and components in Electrical Power, Computer-aided design and analysis techniques, software packages such as MATLAB, Simulink, and Pspice. Specialist in my research individual project (Evaluation of a single stage boost DC/AC photovoltaic power converter) as well as my individual coursework (Switched Mode Power Converter).
GPA Merit, for my research individual project I have got Distinction

BSc Sep 2007- Jan 2011
Principal subject Electrical Engineering (Transmission and distribution lines)
Name of organization Sadra Institute of higher education , Tehran, IRAN

providing education and training	General and engineering math, Engineering statistics and probabilities, computer programming, Electric Circuits(1,2), Electrical Machines(AC & DC), Electrical system protection, Transformers, Winding workshop, Air network workshop, Mechanic workshop, Computer applications in Transmission and distribution networks, Power Systems(1&2), Electromagnetism, AC circuits lab, Standards in networks, Electric panel workshop, High voltage and insulators, High voltage station Designing project, Control Circuits, Stations Equipment, Power electronics
GPA	Honour Student (17.45 from 20)
High School Diploma	Mathematics & Physics Discipline, Yeganeh Maboud high school, Tehran,Iran
Certificate Diploma	June2009-Jan2010
Principal subject	Electrical Utility of Building
Name of organisation	Novin Parsian Engineering training Institute
providing education and training	Revit Mep Electrical, Industrial unit design with ETAP, Low current system and IT networks, design of MV/LV panels, Earthing Systems, Lightening calculations with Dialux and Calculux, Designing of DC Charger & USP Sizing, Designing of HVAC
GPA	96 from 100 (The highest score in this course)
Work experience	
Dates	March 2014 - Present
Occupation or position held	Research Assistant, Department of Renewables Energy Niroo Research Institute (Biggest academic Research Institute of Iran) Duty: Researching and designing the biggest photovoltaic laboratory and test center of Middle East
Dates	Jun2011-Jan2012
Occupation and position held	Electrical utility designer, Bahrekar Automation Company(international branch of Kieback &Peter Company in Iran), Tehran
Dates	Jun2008-Sep2008
Occupation or position held	Power Electrical trainee, Evin Hotel construction site, Samandis company Tehran
Dates	Sep 2008-Jul 2011
Occupation and position held	Tutor (Mathematics and physics of high school and pre-university)
Language	
Mother tongue	Persian
English	Fluent
Certificates	Academic IELTS, TOEFL, GRE
Other language(s)	Arabic (moderate)

Computer skills

General AutoCAD, Photoshop, Ms office, Ms project, PC Management

Technical skills Simulation software (MATLAB and Simulink), PLC software (Siemens, Moller), Dialux, Calculux, ETAP.

Memberships

- ✓ IEEE Graduate student Member
- ✓ IEEE Power & Energy Society Member
- ✓ Iran Renewable energy department Member

Seminars and conferences

(presented by me)

- ✓ 29th PSC, Tehran, Iran " PV systems and standards of testing photovoltaic power plants with solar energy efficiency testing methods (Oct 2014)
- ✓ 10th ETC , Tehran, Iran " PV systems and standards of testing photovoltaic power plants with solar energy efficiency testing methods (Aug2014)
- ✓ WMG University of Warwick, iPower 2012 - Showcasing UK Power Electronics(Nov2012)
- ✓ Newcastle university, school of electrical and electronic engineering, Annal research conferences (Jan2013)
- ✓ British Science Festival 2013 – Newcastle upon Tyne (September2013)
- ✓ The 22nd Iranian Conference on Electrical Engineering (ICEE 2014) Tehran May 20-22, 2014
- ✓ Nanotechnology Conference on Energy and power industry- Tehran Jun2014

Publications

1. P.Tayebi ‘*Evaluation of a single stage boost DC/AC photovoltaic power converter*’ EEE department of Newcastle university, September 2013 UK
2. P.Tayebi ‘*Green Energy from ocean waves*’ Energy and environment page ‘SetarehSobh’ journal, N222, 12 April 2014, Iran
3. P.Tayebi ‘*Concept of photovoltaic Energy in Iran*’ Energy and environment page ‘SetarehSobh’ journal, N223, 19 April 2014, Iran
4. P.tayebi ‘*Solution for Electrical Grid recovery after natural disasters*’ Energy and environment page ‘SetarehSobh’ journal, N232, 21 Jun 2014, Iran

Honors and Awards

October 2012: Newcastle University International Postgraduate Scholarship (NUIPS)
January 2012: Honor student award from ministry of House and Urban Planning, Iran
December 2011: Honor student grant from SIPA Company, Tehran

Personal Interests

Swimming, Kick boxing, Teaching mathematics, Cooking, Poetry