

Elias Mohammad Maharmeh

Personal Information

Date of Birth: October 1, 1992

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Nationality: Palestinian

Marital status: Single

Gender: Male

Education

September 2010
-January 2015

Bachelor Degree of Engineering, “*Electrical Eng. /Electrical power Engineering technology*” from Palestine polytechnic university (PPU) with GPA of 92.9 % (High-honour) and SGPA of 94.1 % (High- honour).

Graduation Project

Power Quality Events Detection and Classification using Wavelet transform and Root Mean Square Method. The project resulted in an online system to monitor and detect the voltage events and their duration in power system. The system was built and programmed using LabView Daq’s and software.

September 2009 -June
2010

High school in scientific Branch At al Husain Secondary school-Hebron, and got Tawjihi Certificate (Matriculation), with 96.1 %.

Employment

February 2015 – up to
date

Lap supervisor at Palestine Polytechnic University, teach a lot of labs including

- Power System Lab
- Power Electronics Lab
- Renewable energy and Smart grid lab
- Control Lab
- Modelling and simulation Lab of energy systems
- Modelling and simulation lab of automated systems

Training and Experience

(21-25 December) 2015	Training at DE LORENZO group – Italy, the training was for smart grids and the power flow through the utility, the system which was under study includes a photovoltaic source of energy and a wind source of energy. A various scenarios of power flow were studied to find out how the smart grid and the concept of controlling the power flow able to solve the system vulnerabilities.
(1-30 June) 2014	Summer training in the training Centre “Electrical Chapter” of The Association of Jordanian Engineers (Amman-Jordan). (<u>the program included the following</u>) (1) Power Transformers design and protection, (2) Technical writing reports, (3) Low voltage system design: Installation and lighting system, (4) Mathematical Modelling & Power Flow, (5) Engineering schemes reading / Electrical.
(15 June –15 August) 2013	Summer training in Hebron Electric Company. (<u>the program included the following</u>) (1) Specification of Transmission and Distribution Networks, (2) Underground Power Cables Design, (3) Transformer Operation testing & Maintenance, (4) Termination of underground cable , (5) MV Switchgear Testing & Operation, (6) House wiring fundamentals, (7) Protection relay settings and coordination
Series of an intensive workshops of transformer design and test in Jordan and Palestine	The workshop held at the center of testing and maintenance of the transformer at Tubas city – Nablus, it covers the basic test of the transformer comprises open circuit test , short circuit test , voltage impedance concept , voltage stress on the bushing of the transformer , vector group, oil insulation level , the coils types of the transformers and the core of the transformers. All the previous topics covered throughout a practical experiments.

Scientific Conferences& Training

16-18 May 2016	Participate in a 3 th International Conference on Environmental Design and innovation – Jordan Organized By: Al Zaytoonah University of Jordan
6-7 April 2016	Participate in a 4 th International Conference of Energy and Environmental Protection and Sustainable Development – Palestine (ICEEP-2016). Organized By: Palestine polytechnic university.
9-10 October 2013	Participate in The 3 rd International Conference of Energy and Environmental Protection and Sustainable Development – Palestine (ICEEP-2013). Organized By: Palestine polytechnic university.

Personal Skills

Mother tongue:	Arabic
Other language(s):	English, and one course in Hebrew
Computer skills:	(1) MATLAB, (2) Simulink, (3) Power word simulator, (4) E-tab, (5) AutoCAD, (6) Psim, (7) PV-syst, (8) SIMATIC.M (PLC STEP 7-SIEMENS), (9) PLECS (10) Microsoft office Package...
Communication skills:	I have worked in various types of teams Volunteer in our university as The organizing committee of the events and various activity.
Other activity:	I was the deputy of the chairman of IEEE – student branch.

Additional Information

Hobbies:

Reading, solving a Puzzle, driving and hiking.

Prof. Dr. Karim Tahboub

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Referenc

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Publications

Journal paper,
ELSEVIER, Procedia
Computer Science

Economic and Technical Analysis of Distributed Generation Connection: A Wind Farm Case Study, Procedia Computer Science, Volume 83, 2016, Pages 790–798 , The 6th International Conference on Sustainable Energy Information Technology (SEIT-2016) .

The paper's link:

<http://www.sciencedirect.com/science/article/pii/S1877050916302010>

Conference paper, in
phase to be journal
paper

Harmonic Elimination for Industrial Zone using passive filters: Case Study,
Third International Conference on Environmental Design and Innovation
ZEC2016.

Conference paper

**Power Quality Detection and Classifications using Wavelet transform and
RMS method,** The 4th International Conference on Energy and Environmental
Protection in Sustainable Development

Last Modification 4/12/2015