



Curriculum vitae

1-Personal Information

Name : Akram Mohammad Abdul-Aziz Al-Mahrouk

Nationality : Jordanian

Gender : Male

Date of birth : 1991/7/5

Place of birth : Jordan

Marital status : Single

Current address : AL-Watan Street
AL-Hashimy AL-Shamaly
Amman
Jordan

Telephone number : +60183819691

Email : aalmahrouk@yahoo.com

Languages : Arabic is my mother language and excellent in English

2-Education

Duration	School and university	Degree	Graduation project
2017-2020	Universiti Putra Malaysia	Doctor of philosophy	Multilevel Matrix Converter
2013 – 2016	Princess Sumaya University for Sciences and Technology	Master of Science	Controlled induction motor powered by PV solar cells
2009 - 2013	Al-Balqa' Applied University/Faculty of Engineering Technology (FET)	Bachelor in Electrical power engineer 3.16	Series compensator in long transmission line
2008 - 2009	Hail Secondary School	98.89%	-----

3-Training

National Electric Power Company (NEPCO) / Electric Training Center (ETC) 4 Month.

4-Special skills

I have special skills in the following areas:

- DigSilent.
- Google Skitch Up.
- PvSyst.
- Arduino + PIC + Freescale Microcontroller.
- ETAP.
- Graphic Mentor.
- MATLAB (Coding + AI + GUI + Simulink)
- Proteus.
- Multisim.
- Microsoft Office.
- Assembly Languages.
- Synopsis Nanotechnology Program.
- Microwind (for Micro Technology).

4-Publications

- Akram Mohammed, Nashiren Farzilah Mailah, Yuan Kang Wu, Mohd Amran Mohd Radzi, Mohd Khair Hassan, and Yi-Liang Hu. "Modulation Index Sets of Low Switching Frequency Multilevel Inverters for Wind Generation System" *IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC)*. 2018. (Accepted).
- Akram Mohammed, Nashiren Farzilah Mailah, Mohd Amran Mohd Radzi, Mohd Khair Hassan. "Systematic Review of Multilevel and Matrix usage in Power Electronics: Circuits Types, System Taxonomy, Applications and Recommendations". *International Review of Electrical Engineering (I.R.E.E.)*. 2019. (Accepted).
- Akram Mohammed, Nashiren Farzilah Mailah, Mohd Amran Mohd Radzi, Mohd Khair Hassan. "Modelling and Operation of an Integrated Multilevel Matrix Converter". IET Power Electronics. (On-going).

4-Patent and Copywrite

- Akram Mohammed and Nashiren Farzilah Mailah. "POWER CONVERTER CIRCUIT WITH VOLTAGE SELECTION SYSTEM" 2018. (Patent, Filed).
- Akram Mohammed and Nashiren Farzilah Mailah. "CASCADED THREE MULTILEVEL INVERTER MATRIX CONVERTERS" 2019. (Patent, On-going).

4-Internships

I went to Taiwan for two months (March and April /2018) as research internship where all the fees are covered by the Cheng Chung university (CCU), Taiwan. Finally, an accepted paper was published.