

EHSAN MOHSIN Obaid



Qurna, Basra, Iraq

Mobile No: +9647733913225

Email: ehsanm360@gmail.com

OBJECTIVE

To pursue a Doctor of philosophy program. The research related to the efficiency enhancement of the photo-voltaic power system. The project in the school of engineering.

PERSONAL PROFILE

Determined and hardworking researcher

Experienced in conducting research independently

Teaching experience with students

EDUCATION

2013 – 2016 University Putra Malaysia, Faculty of Engineering

Msc in electrical power engineering Funded by (STU)

CGPA: 3.75 out of 4, or 93.7 out of 100

Thesis Title: Efficiency Improvement of a Standalone Photo-voltaic

System Using Fuzzy -Based Maximum Power Point Algorithm

Supervisor: Dr Nashiren Farzilah Binti Mailah

Brief Synopsis:

The main objective of this research is to overcome the drawbacks of the PV system of which the behavior is affected by isolation changes. A novel MPPT controller is developed which emphasizes on eliminating the drawbacks of the conventional MPPT controllers so that the efficiency of PV system is highly efficiently harvested.

2005 – 2008 Southern Technical University (STU), Technical College of Basra

Bachelor in Electrical Power Engineering
2003 – 2005 Southern Technical University (STU), Technical Institute of Basra
Diploma in Electrical Power Techniques
2000 – 2003 Secondary School of Qurna, Basra - Iraq

EMPLOYMENT

Technical Trainer, Southern Technical University, Oct 2008 – Mar 2013

Teacher Assistant, Southern Technical University, Since Aug 2016

WORKSHOPS AND TRAINING

2016 IEEE Malaysia Young Professional and Students Workshop
2014 Computational Intelligence and Soft Computing Using Matlab for Engineering and Business Applications
2014 One Day workshop on Literature Review Using ATLAS.ti Software
2013 Managing the Research Journey Workshop
2013 Intelligent Data Mining and Knowledge Discovery with Practical Sessions Using Matlab
2010 Two Weeks Course of Robotics Advanced Programming

SKILLS

IT

Windows, MS Office (Word, Excel, Power point), MATLAB Software 2013, Visio Software
Internet and Computing Core Certification (IC3)

LANGUAGES

TOEFL (PPT) 498, Four Months English Course at ELS Institute, Arabic Mother Tongue

RESEARCH INTERESTS

The main objective of the research concentrates on controlling the renewable energy resources .In particular, the solar panels which controlled by using artificial intelligence based MPPT

algorithm at steady state and partial shading conditions. The future research aims to control the solar panel at partial shading conditions where a new MPPT algorithm is proposed so that efficiency of the solar power system is enhanced.

TEACHING EXPERIENCE

2009 -2010 Technical trainer at laboratory of electrical circuits

2011-2012 Technical trainer at maintenance laboratory

2016 -2017 Assistant lecturer for courses of electronic, digital electronic and electrical installations

ADMINISTRATION

- Supervisor of graduation projects including inverter circuit and trainer boards for digital electronic integrated circuits
- Involvement in writing research proposals and papers
- Excellent verbal and written skills

CONFERENCES ATTENDED

2015 International Conference on Advanced Mechanics, Power and Energy

2015 3rd International Symposium on Applied Engineering and Sciences (SAES)

2015 7TH International Conference on Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context (ICSAFEI).

PUBLICATIONS

Comparison of developed FLC and P&O MPPT algorithms for improving PV system performance at variable irradiance conditions", *World Journal of Engineering*, Vol. 13 Issue: 6, pp.494-499, <https://doi.org/10.1108/WJE-09-2016-0082>

PROFESSIONAL MEMBERSHIPS

Association of Iraqi Engineers since 2008