

Marwa. M. Hassan Ahmed

Assistance Professor, Department of Electrical and Computer Engineering, King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
Ph.D.	Electrical Power and Machines	Benha University, Egypt	2014
MS	Electrical Power and Machines	Cairo University, Egypt	2010
BS	Electrical Power and Machines	Ain shams University, Egypt	2004

Academic Experience

<i>From To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
2004 - 2013	Academy for since & maritime transport	Teaching Assistant	Lecturer.	Full Time
2014 - Present	King Abdulaziz University	Assistant Professor	DR.	Full Time

Non-Academic Experience (Including Consultations)

2004	2005	Airport of Egypt	Electric Machine	Trainer	Part time
2005	2006	Gas Cairo Company	High and medium voltage	Trainer	Part time

Funded Research Projects and Patents from the Last Five Years

- Future climate CO2 ,Collaborative Research Program grant by the Ministry of Education, 2019-2020

Certifications and Professional Registrations

- Certificate for Edexcel over vocational assessor qualification (VAQ) and QCF in Al-Almeerya. integrated cluster by DDL Company in 2012.
- Certificate best poster by project the energy fountain in the 8th Saudi Arabia smart Grid Conference (SASG 2018).
- Certificate for attending Learning Active Workshop 2018.
- Certificate for attending Occupational Health and Safety workshop 2018.

Rewarded and participation under my supervision:

1. Awarded a silver medal from 46th International Exhibition of Invention Geneva Switzerland for innovation
2. helping handicapped people the project name (Smart Shoes) April , 2018
3. Awarded a Golden medal in 46th international Exhibition of invention Geneva Switzerland by project (The Energy Fountain) April, 2018.
4. Awarded a bronze medal from 46th International Exhibition of Invention Geneva Switzerland for innovation a Smart device that discharge fire and opens windows, emergency door automatically by a sensor April, 2018.
5. Awarded a Golden medal from union of Croatian innovators ARCA in international innovation exhibition of South Korea, for innovation Bus Safety System, December, 2018.

6. Shared in Prince Sultan university in poster session by three projects:

- The Traffic Light Programming System.
- Smart Safety Net to help children from dropping.
- Consuming electrical power by Solar Cell Tracking.

7. Sharing every year from 2014 until 2018 in Smart Grid Conference

8. Awarded best paper by project the energy fountain in the 8th Saudi Arabia smart Grid Conference (SASG 2018).

Institutional and Professional Services

- A member of the judgment committee of Ibtikar exhibition, February 2020.
- A consultant for Mawhebah research Students, King Abdulaziz University, 2020.
- A member for Mawhebah Gifted Students Summer Camp, King Abdulaziz University, August 2019.
- Academic Advisor, for student registration in Academy for since & maritime transport 2013.
- Academic Advisor, for student registration in KAU from 2014 until now.
- Director of the Internal Verification Unit of the Edexcel Quality Assurance Unit.
- Completed my course file for achieve accreditation from ABET.
- Head of Development Educational Committee.
- Occupational Health and Safety Commission in 2018.

Principal Publications/Presentations from the Past Five Years

[1] **Marwa M. Ahmed , Wael S. Hassanin, Mohamed A. Enany, "Proposing and Evaluation of SC Techniques for Variable Speed High Power Operation of WDSEIG" , Journal: IEEE Access, DECEMBER 2020, VOL.8, Issue.1, Print ISSN: 2169-3536.**

[2] **Wael S. Hassanein, Marwa M. Ahmed, M. Osama abed el-Raouf, Mohamed I. Mosaad, "Performance Improvement of Off-grid Hybrid Renewable Power System Using Dynamic Voltage Restorer", AEJ1546, 21 Mar 2020, accepted in Alexandria Engineering Journal, 2020.**

[3] **Marwa Ahmed, Wael Hassanein , Hend Tag, Mohamed El-Naggar; "The impact of fenthion as endocrine disruptor agent on oxidative stress of Common Carp (Cyprinus carpio)", which was accepted to Scientific Reports on 28 December 2019 UTC**

[4] **Marwa.M.Hassan , "Solar Tracking System Based on Artificial intelligence", Smart grid conference 2018.**

[5] **Marwa.M.Hassan, "Voltage Swell Mitigation in Practical EHV Network Using Flexible AC Transmission Systems Based on Evolutionary Computing Method", Paper C4_107_, CIGRE 2016.**

[6] **M.M.Hassan, Marwa.M.Hassan, "Voltage Swell Mitigation Using Flexible AC Transmission Systems Based on Evolutionary Computing Methods", 2014, International Journal of system Dynamics Application, IGI-Global, USA.**

[7] **M.M.Hassan, Marwa.M.Hassan, "Modling and Simulation for Voltage Swell Mitigation using Advanved Flixible AC Tranmission Systems", 2014, International Journal of Al-Azhar University.**