

Fatma el zahraa magdy ali

Assistant lecturer

Power and Electrical Engineering



Birth date : September 1994.
Home Address : Obour City , Cairo.
Phone: 01033942977
Email: engzahraamagdy@yahoo.com

Education

- Currently : (PHD Student in Electrical Power and Machines Engineering)
Faculty of Engineering, Ain shams university, Department Electrical Power and Machines Engineering
- M.Sc. in Electrical Power and Machines Engineering, January 2020
Faculty of Engineering, Cairo University, Department Electrical Power and Machines Engineering. ,General grade: Excellent, with (GPA: 3.7)
- Bachelor of Engineering, electrical Power Department,2017
Valley Higher Institute for Engineering & Technology (Science valley academy), Electrical Engineering Department
General Grade: very Good, With (GPA: 3.31).
- Graduation Project: (chups) cheap home use power supply with.
Grade: Excellent.

Work Experiences

<i>Year</i>	<i>Description</i>	<i>Place</i>
10/2017	Teaching assistant	Science valley academy
10/2020 till now	Assistant lecturer	Science valley academy

Assistant lecturer in science valley academy for the following courses :

- Automatic Control
- Power System Analysis II
- Protection and Switchgear in Electrical Power
- Electrical Machines III
- Digital Control.
- Electrical Machines IIII

Teaching assistant in science valley academy for the following courses :

- selected topics for electrical power Engineering
- power system planning
- Control System
- Control Lab
- Electric Circuit I
- Electric Power and Machines

Academic Projects supervised

- Road Power Generator
- Super Capacitor
- Free energy and n-machine
- Wireless power Transfer
- Inductive power transfer

Courses & Trainings

- Petrojet Company :(training in control& distribution lighting and sockets).
- EGY CET: classic control – plc1 – plc (advanced & scada).
- EGY CET: power system distribution (basic & advanced).
- Taqa Academy: (work shop in solar energy photovoltaic design and simulation.
- Power System Distribution.
- Fire Alarm System.
- Classic Control &Plc & Scada.

Research Interest

- Renewable Energy Systems
- Systems Dynamics and Control
- Smart Grid
- Power System Operation and Management.

Research Papers

Journals:

- 1) Fatma El Zahraa Magdy, et al., "Energy Management of Virtual Power Plants Dependent on Electro-Economical Model," Ain Shams Engineering Journal, Elsevier, Available online 27 December 2019.

Conferences:

- 2) Fatma El Zahraa Magdy, et al., "Virtual Power Plants Novel Electro-Economical Modelling Approach," Proceedings of the 2019 Cigre Conference (Cigre), Cairo, Egypt, March 6-7, 2019.
- 3) Fatma El Zahraa Magdy, et al., " Virtual Power Plants Modeling and Simulation using Innovative Electro-Economical Concept," Proceedings of the 16th International Conference on Electrical Machines, Drives and Power Systems ELMA 2019, Varna, Bulgaria, June 6-8, 2019.

Skilled In The Following Programs

- Etap, Autocad, Dialux, , Matlab
- Microsoft Office

Languages

- Arabic: Mother tongue.
- English: Very good (Toifel : 600 degrees)
- French: good.