

# Curriculum Vitae – Fawzy Ahmed Mohamed Osman

## PERSONAL INFORMATION

### Fawzy Ahmed Mohamed Osman

Assistant Professor  
Control Engineering  
Benha Faculty of Engineering  
Benha University, Egypt.  
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Cut No.: 416, Family Housing Area  
15 May City, Helwan,  
Cairo, Egypt.  
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## EDUCATION

### PhD Degree in Electrical Engineering (March-2011).

University: El-Menofia, Egypt  
Thesis advisor: Associate Professor Dr. Fahmy El-Khouly (El-Menofia University, Egypt)  
Committee Head: Prof. Dr. Ali Oshiba (El-Menofia University, Egypt)  
Thesis title: Direct Torque Control of Interior Permanent Magnet Synchronous Motors.

### Master Degree in Electrical Engineering (September-2003).

University: Benha - Egypt.  
Thesis advisor: Dr. Gamal Sarhaan (Benha University, Egypt)  
Committee Head: Prof. Dr. Fathy Nasser El-Deen (Helwan University, Egypt)  
Thesis title: Field-Oriented Controller for Brushless Synchronous Motor.

### Bachelor Degree in Electrical Engineering (1995).

University: Benha - Egypt.  
General Grade: Very Good.

## CURRENT POSITION

Lecturer, Electrical Engineering Department, Benha Faculty of Engineering, Benha University.

## WORK EXPERIENCE

**1998 - 2003** Teaching Assistant - Benha High Institute of Technology, Electrical Engineering Department, Control and Measurements Engineering.

**2003 - 2011** Lecturer Assistant - Benha High Institute of Technology, Electrical Engineering Department, Control and Measurements Engineering.

**2011 – Up to Now** Assistant Professor - Benha University, Benha Faculty of Engineering, Electrical Engineering Department, Automatic Control Engineering.

## TEACHING COURSES

- Control Engineering (E451 – Old Regulations)
- Control Engineering (E452 – Old Regulations)
- Automatic Control (E1342)

- Power Electronics (E1337)
- Microprocessor and Microcontroller (E1328)
- Parameter Estimation (Old Regulations)
- Modelling of Electrical Machines (E571 – Old Regulations)
- Electrical and Electronic Circuit (E1209)
- Electronic Measurements (E 432)
- Computer Fundamentals and Programming (E1021)
- Computer Fundamentals and Programming (E1022)
- Computer Application C++ Programming (E1125)
- Computer Application C++ Programming (E1126)
- Human Rights (HS102 Credit Hours System)
- Engineering Economics (HS202 Credit Hours System)
- Technical Installation in Building (CMM308 Credit Hours System)
- Process Control and Building Management (EME501 Credit Hours System)
- Robotic Controllers (Post Graduates - EENG 8444)
- Adaptive Control System (Post Graduates - EENG 8447)
- Advanced Topics (Post Graduate – E8400)
- Advanced Topics (Post Graduate - E9400)

**SUPERVISION  
OF  
GRADUATION  
PROJECTS**

- 2012 Robotic Arm
- 2013 Automatic Parking System (APS)
- 2014 Industrial Automation Training (Toshiba)
- 2015 MPPT Implementation (Raspberry-Pi & Arduino Due)
- 2016 PV Smart Charger
- 2017 Wireless Home Automation system using Android
- 2018 Stand Alone Solar Cell System
- 2019 SMS Alarming System
- 2020 Coffee Packing Machine
- 2021 BMS Controlled Distribution

**REFEREE FOR  
SCIENTIFIC  
AND  
SCHOLARLY  
JOURNALS**

**IEEE Access** ISSN: 1803-7232  
**Energy Reports, Elsevier** ISSN: 2352-4847  
**IET** Generation, Transmission & Distribution, ISSN: 1751-8687  
**MEPCON**, ISSN: 2573-3044  
 Multimedia Tools and Applications, **Springer**, ISSN (on line): 1573-7721,  
 ISSN: 1380-7501.  
 International Journal of Modern Engineering Research (**IJMER**), ISSN:  
 2249-6645  
**CIIT**, International Journal of Automation and Autonomous System,  
 ISSN: 0974-9659.