

MOSTAFA ELSAYED ABDEL MONIEM

MECHANICAL ENGINEER

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Qualifications

- **Ph.D.** Mechanical Eng. (production), Benha University, Egypt 2016, under title of "Real Time Acoustics Autonomous Robot control"
- **M.Sc.** Mechanical Eng. (production), Benha University, 2011, under title of "Control of Variable Displacement Piston Pump Using Genetic Algorithms"
- **B.Sc.** Mechanical Eng. (Production). Benha University, with general grade "V. Good with honor degree" May 2006.

Academic positions:

- Assistant Professor, October 2016, Benha University, Shoubra faculty of engineering, Production and design department.
- Assistant lecturer, March 2011, Benha University, Shoubra faculty of engineering, Mechanical Engineering Department, Cairo, Egypt.
- Teaching Staff and Research (demonstrator) March. 2007, Benha University, Shoubra faculty of engineering, Mechanical Engineering Department, Cairo, Egypt.

Administrative positions:

- Director of management information system (MIS) of Benha University, 2017-until now.
- Deputy Director of management information system (MIS) of Benha University, 2016-2017.
- Director of Automation and Energy Technology Laboratory AETL, 2008-until now.

Personal information:

Date of birth: 2-2-1985

Gender: Male

Religion: Muslim

Nationality: Egyptian

Military service: Released

Language:

Fluent in Arabic and English

Computer skills:

MATLAB (advanced)

LABVIEW (advanced)

Arduino controller

DAQ controller

Autocad

Ansys (Good)

Solidworks

PLC controller

Internet

Internet search

Windows

Microsoft office

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Training & courses:

- The credit hour system
- The research team administration
- Self-assessment and external reviewing
- SPSS statistical analysis program
- Oracle Database 10g
- Elnasr Castings Co. (Ductile Iron Pipes)
- Helwan Machinery and Equipment (factory 999)
- Egyptian Iron & Steel co. (rolling department)
- Khalda Petroleum Company (field)
- Qarun Petroleum Company (office)
- Egyptian Welding Academy (E.W.A)

Working experience:

■ Teaching the following subjects:

- Automatic control and robotics.
- Advanced automatic control.
- Robust and optimal control.
- Fluid power control.
- Mechanical measurements.
- Theory of machine.
- Machine design.
- System dynamic and mechanical vibrations.
- Modeling and simulations.
- Vibration monitoring systems.
- Fluid power control lab.
- Programmable logic controller(PLC)

■ Graduation Projects Supervision

- Building management system
- Smart home and green building
- Energy harvesting in vehicle suspension system
- Hybrid control on quadcopter
- Design and control of magnetic levitation system
- Design of hybrid control of Segway robot
- Implementation of hybrid vehicle control

■ List of publications

- M. Elsayed, M. Sokar, S. Abd Rabbo and M. El-Arabi (2016). Wheeled Mobile Robot Control Using Advanced Fuzzy Control. 17th Int. Conference on Applied Mechanics and Mechanical Engineering, April 19-21, 2016. Proceedings. (pp. 1-15)RC.
- M. Elsayed, M. Ib. Sokar, S. Abd Rabbo, M. El_Arabi (2015). Voice robot control using advanced fuzzy control techniques. International Journal of Scientific & Engineering Research, Volume 6, Issue 11, November-2015 (pp. 1195 –1201). [http://doi.org/ 10.14299/ijser.2015.11.008](http://doi.org/10.14299/ijser.2015.11.008)

Personal skills :

- Quick learner and Eager to learn when it comes to new technologies.
- Self-taught person in terms of the latest technological trends and techniques.
- Team worker and Self-motivated.
- Flexible and Hard worker.