

Mahmoud Moustafa EL-Ashwah

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PROFESSIONAL PROFILE

Academic lecturer and researcher in Mechanical Engineering with specialization in Mechatronics, Design and Production Engineering, and sustainable reverse supply chain network design. Experienced in university teaching, student assessment, examination activities, engineering laboratories, and research in automated control systems and sustainable supply chain optimization.

Education

• August 2026

Doctor of Philosophy (Ph.D.) in Mechanical Engineering – Design and Production Engineering

Faculty of Engineering – Ain Shams University

Cairo – Egypt

GPA: 3.75/4.00

Ph.D. Thesis: Sustainable Reverse Supply Chain Networks Design

• November 2015

Master of Science (M.Sc.) in Mechanical Engineering – Mechatronics Engineering

Faculty of Engineering – Arab Academy for Science and Technology

Cairo – Egypt

Grade: Excellent

M.Sc. Thesis: Development of Automated Control System for Shifting of Manual Gearbox

• July 2010

B.Sc. in Mechatronics Engineering

Faculty of Engineering – Arab Academy for Science and Technology

Cairo – Egypt

Overall GPA: 3.72/4.00 (Excellent with Honor)

Graduation Rank: 3rd

• July 2004

Futures Language School

Cairo – Egypt

Graduation Project

Designing an Automated Parking Garage System.

Under Supervision of:

DR. Khald Zaid

Graduation Project Grade: Excellent

Trainings and Courses

Trainings:

- {2005} PLC (Programmable logic controller) Level I-ICT
- {2006} ABB.
- {2007} Badr Eldin Petroleum Co. (BAPETCO).
- {2007} Orascom Construction Industries-Equipment Department.
- {2009} Orascom Construction Industries-Equipment Department.
- {2009} PLC (Programmable logic controller) Level II-CTC

Courses:

- AutoCAD
- Solid Edge ST
- PLC (Programmable logic controller)
- Data Acquisition (DAQ) - National Instruments
- Automation Studio 5.0

Employment History

Current Job:

Arab Academy for Science and Technology, Cairo.
Faculty of Engineering

Working Period:

Started at 01/09/2010

Job Title:

Lecturer in Department of Basic and Applied Sciences.

Job Description:

- Tutoring Industrial engineering Courses.
- Examining Students.

Arab Academy for Science, Technology and Maritime Transport (AASTMT)

Teaching Assistant (Dec. 2011 – Present)

- Fulfilled responsibilities that included student contact in laboratories, problem sessions, tutorials, and individual consultation; grading homework and examinations; attending lectures, preparing homework problems and individual study of course material.

Final Examination Committee Member (Feb. 2011 – Feb. 2013)

- The Final Examination Committee is responsible for overseeing, coordinating and conducting the final examinations.

Languages

- **Arabic** (Mother Tongue)
- **English** (Fluent Written and Spoken)

Computer Skills

AutoCAD.
MS Windows 98, ME, XP.
MS Office.
Solid Edge ST
Lab view V8.6

Personal Data	Gender Date of Birth Place of Birth Nationality Military Status Marital Status Driving license Car Owning	Male 09/08/1986 Heliopolis, Cairo, Egypt Egyptian Exempted Married Yes Yes
Personal Skills and Activities	• Broad-Based experience in working with people. • Confident, reliable, personable, and honest. • Capable of learning new skills and techniques. • Capable of assessing situations and implementing successful plans of action. • Excellent in meeting deadlines, in team and independently. • Dedicated to profession and task at-hand. • Self-motivated. • I am a founder of Onlife association for charity activities.	
SELECTED PUBLICATIONS	• 2025 – Designing sustainable reverse supply chain network with optimal collection points locations. Ain Shams Engineering Journal. • 2025 – Analyzing the Impact of Uncertain Parameters in Reverse Supply Chain Network Using Fuzzy Alpha-Cut Approach. 7th International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE). • 2014 – Modeling and simulation of gear-shift controller for automated manual gearbox based on neuro fuzzy control logic. Middle East Journal of Applied Sciences.	
References	Furnished upon request.	