

MOHAMED AHMED MAHMOUD ABDELWAHAB

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Education

- 7/2020 Egypt-Japan University of Science and Technology, School of Innovative Design Engineering.
Doctor of Philosophy in Mechatronics and Robotics Engineering.
Thesis title “**Development of an Intelligent Control Approach for an Autonomous Vehicle in Unstructured Environment**”
- 11/2015 Ain shams University, Faculty of Engineering.
Master of science in Mechanical Engineering.
Thesis title “**Performance of a Vehicle Adaptive Cruise Control System Using Fuzzy Logic**”
- 8/2010 Ain shams University, Faculty of Engineering.
Bachelor of Science in Mechanical Engineering.
Grade: Very good.

Experience

- 9/2020 – Present **Assistant Professor**, Faculty of Engineering, Ain Shams University, Cairo, Egypt.
- Teaches vehicle design and Simulation of Automotive systems, Dynamic modeling and simulation, Engine Diagnosis tool demonstration, Engineering drawing and machine assembly, Theory of automotive, Vehicle automatic control systems, Engine management systems, Motorcycle and Automotive mechatronics systems
 - Academic Advisor for undergraduates’ students.
 - Automotive Engineering Department Quality Coordinator: Assist department instructors prepare course files and manage department quality requirements as part of Faculty of Engineering accreditation process.
 - Automotive Projects Consultant: Test and review multiple local car manufacturers designs.
 - Co-supervise 3 Master students and 4 PhD students in the Automotive and Mechatronics fields.
 - Published 10 papers in international journals and conferences.

Web of Science Researcher ID
ORCiD

[AAV-9649-2020](#)
[0000-0003-2116-0743](#)

● **Scopus Author ID**

57211715564

10/2020-Present	Consumer Protection Agency, Cairo, Egypt, Automotive Committee University representative: Technically examine automotive consumer complaints and write technical reports for each case.
12/2021-Present	Electric Vehicle Rally (EVER), Cairo, Egypt, The main supervisor of the rally ASU team. (2nd place overall, Ever V, 2024)
2/2018 – 9/2018	Teaching assistant, Egypt-Japan University of Science and Technology, Alexandria, Egypt. <ul style="list-style-type: none"> • Teaches Mechanics (Static and Dynamics).
9/2011 – 1/2017	Teaching assistant, Faculty of Engineering, Ain Shams University, Cairo, Egypt. <ul style="list-style-type: none"> • Teaches modeling and simulation, Engine Diagnosis tool demonstration, Engineering drawing and assembly, Theory of automotive and Electronics of vehicles. • Coaches' students during Electric hybrid car, solar car, Formula student car graduation projects. • Coaches' students during quadcopter projects
9/2010 – 1/2017	Research assistant, Assist in Automotive Engineering Lab, Cairo, Egypt. <ul style="list-style-type: none"> • Participated in vehicle operator model project. • Assisted in Braking System modeling project. • Assisted in two and four-wheel steering system modeling project. • Assisted in clutch System modeling project.
2/2015 – 1/2017	Participated in Golf vehicle design and manufacturing project.
6/2012 – 5/2013	Participated in commercial vehicle design and manufacturing project at ICG (Industrial control group).
Computer Skills	MATLAB, Simulink, Stateflow, Simscape, Autodesk Inventor, AutoCAD, Arduino, Carsim, Microsoft Office (Word, Excel, PowerPoint)
Languages	Arabic (native speaker), English (Very Good).
Personal Data	<ul style="list-style-type: none"> ➤ Date of Birth: 18/07/1988 ➤ Nationality: Egyptian ➤ Marital Status: Married ➤ Have a Driving License
Hobbies	Internet, Football, and chess.