

Ahmed Abdelsabor's C.V.

Ahmed Abdelsabor Mahmoud Mohamed, M.Sc.

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Education

May 2017	<p>M.Sc. in Mechanical Engineering Assiut University, Egypt</p> <ul style="list-style-type: none">• Cumulative grade point average on M.Sc. coursework: 87.2%.• Thesis title: Influence of Different Configurations of Inlet Port Shapes with Intake Valve Types on Swirl Generation in Diesel Engines: Experimental & Numerical Simulation.
July 2011	<p>B.Sc. Mechanical Engineering Assiut University, Egypt</p> <ul style="list-style-type: none">• Grade: Distinction with the honor degree.• Cumulative grade point average: 89.61% [Ranked 1st on class of 139 students at Mechanical Engineering Department].• Thesis title: <i>Performance of Residential Solar Driven Air Conditioning Unit.</i>

Employment

2012- 2017	<p><i>Research and Teaching assistant.</i></p>
2017- present	<p><i>Assistant Lecturer</i> Mechanical Engineering Dept., Assiut University</p> <ul style="list-style-type: none">• Tutor and marker for stress analysis, thermodynamics, the fundamentals of the engineering economy, heat transfer, the fundamentals of internal combustion engines, and fluid dynamics.• Class size ranges from 25 to 40 students.• Tasks included solving examples during tutorials, helping students during office hours, and marking midterm exams.• Co-supervised many graduation projects for 4th year students.• 25 hours/week

Publications

Journal papers	<p>1- <u>A. Abd El Sabor Mohamed</u>, Saleh Abo-Elfadl and Abd El Moneim M. Nassib, “Effect of Shroud and Orientation Angles of Inlet Valve on Flow Characteristic through Helical-Spiral Inlet Port in Diesel Engine”, <i>J. Eng. Gas Turbines Power</i>, vol. 139(10) ASME, [DOI: 10.1115/1.4036381], Apr 25, 2017, 7 pages.</p> <p>2- Saleh Abo-Elfadl and <u>A. Abd El Sabor Mohamed</u>, “The Effect of the Helical Inlet Port Design and the Shrouded Inlet Valve Condition on swirl Generation in Diesel Engine”, <i>journal of Energy Resources Technology</i>, vol. 140(3), ASME, [DOI:10.1115/1.4037941], Oct 04, 2017, 9 pages.</p> <p>3- Saleh Abo-Elfadl and <u>A. Abd El Sabor Mohamed</u>, “Enhancement of Swirl Generation in Diesel Engine Cylinder by Using Combinations of Twisted Tap and Guide Vanes with Shrouded Valve”, <i>Journal of Engineering Science Faculty of Engineering-Assiut University</i>, Vol 46, No 1, January 2018.</p>
Conference paper	<p><u>Ahmed Abd El Sabor M.</u>, Saleh Abo-Elfadl and Abd El Moneim M. Nassib, “Experimental Investigation of the Air Flow Characteristics through Helical-Spiral Inlet Port having Shrouded Inlet Valve in Diesel Engine under Steady Flow Conditions”, 1st International Conference of Chemical, Energy and Environmental Engineering, March 2017, Alexandria, Egypt.</p>
Presentation	<p><u>Ahmed Abd El Sabor M.</u>, Saleh Abo-Elfadl and Abd El Moneim M. Nassib, “Experimental Investigation of the Air Flow Characteristics through Helical-Spiral Inlet Port having Shrouded Inlet Valve in Diesel Engine under Steady Flow Conditions”, 1st International Conference of Chemical, Energy and Environmental Engineering, March 2017, Alexandria, Egypt.</p>

Community Involvement

2010-2011	Secretary of the Scientific Committee in the Student Union, Assiut University
2012-presnt	Member at Engineering Syndicate in Egypt

Professional development

2008	Participate in the program to prepare future youth to develop talent and creativity
2009	Participation in the competition of ABU ROBOCON -Cairo-Egypt
2010	Participation in the competition of ABU ROBOCON -Cairo-Egypt
2011	Participation in the Union of Students of Assiut University - Chairman of the scientific committee for students

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Summer Training

2009	South Valley Development Project Toshka.
2009	The Egyptian Ferroalloys Company
2010	Aluminium Company of Egypt At Rolling Sector & Extrusion Plant

Skills

<i>Software and programming skills</i>	Solidworks AutoCAD 2D Gambit ANSYS FLUENT Tecplot
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Awards

2007-2008 2008-2009 2010-2011	Assiut University's award for academic excellence. (for students who achieve GPA higher than 85%)
2008-2009	Prof. Yahya Mahmoud El Sayed Award for excellence in thermodynamics I. (awarded to the student with highest mark in the course Thermodynamics I)
2009-2010	Dr. Ramadan Mohammad Sadiq Award for excellence in the second year of mechanical engineering department. (awarded to the student with the highest GPA in the second year Mech. Eng.)
2009-2010	Prof. Mahmoud Hassan Saadawi Award for Excellence in Thermodynamics II. (awarded to the student with highest mark in the course Thermodynamics II)
2010	Judgment comity Award for participation in ABU ROBOCON 2010-Cairo-Egypt
2010-2011	ASHRAE Cairo Chapter " Adel Barakat & shamaa students Award" for the best graduation project in the field of HVAC/R

References

<i>Name</i>	<i>Affiliation</i>	<i>Relation to me</i>	<i>Email</i>
Prof. Ahmad Hamza H. Ali	Mechanical Engineering Dept, Assiut University.	Head of Department of Mechanical Engineering and supervisor for my B.Sc. Graduation Project.	ah-hamza@aun.edu.eg
Dr. Saleh Abo-Elfad	Mechanical Engineering Dept, Assiut University.	supervisor for my M.Sc. thesis	sa-fadl@aun.edu.eg
Prof. Abd El Moneim M. Nassib	Mechanical Engineering Dept, Assiut University.	supervisor for my M.Sc. thesis	amnassib@yahoo.com

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