

Ahmed Abd El-Monem Ahmed Hussein

Contact Information	Control Lab. Fourth Floor Aerospace Engineering Department Cairo University Street, Giza , Egypt Postal Code : 12613	Phone : +2 01221409656 email: ahmed.abd.el_monem@eng.cu.edu.eg www.eng.cu.edu.eg/aerospace
Objective	To work in association with group of engineers in an environment which offer me the opportunity for enhancing my engineering skills.	
Current Occupation	Teaching Assistant , School of Aerospace Engineering Faculty of Engineering , Cairo University.	
Education	Post Graduate	2010-Present
	<ul style="list-style-type: none">• Finished Pre-Master Courses in Aerospace Engineering Department, Cairo University with CGPA 3.8/4• Masters thesis topic: Blade Elasticity Effects on Overall Performance and Dynamics of Helicopter	
	College	2005-2010
	<ul style="list-style-type: none">• B.Sc. in Aerospace Engineering , Distinction with Honor degree and Cumulative percentage of 86 % (CGPA 3.7/4)• Graduation Project: Design and Manufacturing of Carbon Fiber Mini Unmanned Tailless Flying Wing.	
Research Interests	Aeroelasticity , Rotorcraft Dynamics , Helicopter Stability and Control , Flight Mechanics	
Research Experience	Cairo University ,Giza, Egypt <i>Master Thesis</i>	Sep 2013 - Present
	<ul style="list-style-type: none">• Building the Structural, Aerodynamic and Inertia Models of Blade from scratch.• Working on the big model of the helicopter and the results expected at the end of the thesis will fairly contribute to the field.	
	<i>Graduation Project</i>	Sep 2009 - July 2010
	<ul style="list-style-type: none">• Main Task was assessing the required area for control surfaces of Flying Wing; Flap, Aeliron and Elevator, required for accomplishing the mission.	
Teaching Experience	Cairo University ,Giza, Egypt <i>School of Aerospace Engineering</i>	
	<ul style="list-style-type: none">• Flight Mechanics• Classical and Modern Control• Advanced Thermodynamics• Programming• Machine Drawing	
Professional Affiliation	AIAA Professional Member , Cairo University Student Chapter	

Honors and Awards	<ul style="list-style-type: none"> • Ranked 1st in Aerospace Engineering (AE) Class of 2009 • Ranked 3rd in AE class of 2007,2008,2010 • Graduation project has been awarded the title of Best Project in Mechanics by Egyptian Engineering Day Conference (EED), Institute of Electrical and Electronics Engineers IEEE July 2010 and Youth Innovation Prize YIA
Programming	Matlab , Mathematica
Software	UniGraphics NX , L^AT_EX , MS office
Languages	Arabic , English (TOEFL score = 90)
Graduate CourseWork	Structural Dynamics, Aeroelasticity, Iterative methods for Linear and Nonlinear Equations , Numerical methods for PDEs , Helicopter Aerodynamics , Flight Dynamics of Elastic Aeroplanes NonLinear Control , Advanced Heat Transfer
UnderGraduate CourseWork	Elastic analysis of Plates and Laminates, Finite Element Methods , Orbital Mechanics, CFD, Aircraft Design Aircraft and Aerospace Propulsion , Elasticity System: Modeling, Dynamics & Control, Heat Transfer Low and High Speed Aerodynamics, Flight Mechanics, Aerospace Structural Analysis, Energy Methods Linear Algebra , ODE, Complex Analysis and PDE , Numerical methods for Dierential Equations
Hobbies	Swimming, Jogging , Reading and Traveling
References	<ul style="list-style-type: none"> • Gamal El-Bayoumi, Aerospace Department Chair-Cairo University Phone: 01001290983, mail:gelbayoumi@cu.edu.eg • Haithem Ezzat Taha, Associate Professor-University of California-Irvine Phone: 15404495557, mail:hetaha@uci.edu • Mohammed Khalil Ibrahim, Associate Professor-King Fahd University of Petroleum and Minerals Phone: 860-1858, mail:khalilibrahim@Kfupm.Edu.Sa • Dr. Hesham El-Bana Lecturer, Aerodynamics Group-Cairo University Phone: 0122257114, mail:Heshamelbanna@excite.com • Dr.Ahmed Rashed Lecturer, Structure Group-Cairo University Phone: 01141570758, mail:ahmed.m.rashed@gmail.com
Other Information	<ul style="list-style-type: none"> • Citizenship: Egyptian • Gender : Male • Date of Birth: 29 September 1987 • Marital Status: Married with 1 son • Martial Status: Completed the military service from 16/4/2011 to 1/6/2012