

## CURRICULUM VITAE

Name: **El-Adl Ahmed Ahmed Elkady**

Date of Birth: 2.4.1958

### Academic Qualifications

1. B Sc. in Mechanical Engineering, ALAZHAR UNIVERSITY with general grade "VERY GOOD", The FIRST of class, July,1982

The project of graduation was entitled "CENTRAL AIR CONDITIONING SYSTEMS DESIGN", The general grade of the project is "Distinction"

2- M. Sc. in Mechanical Engineering, Alazhar University, March,1988.

The thesis is entitled "ENHANCEMENT OF HEAT TRANSFER BY NATURAL CONVECTION FROM HORIZONTAL CYLINDERS".

3- Ph.D. in Mechanical Engineering, Alazhar University, March,1993.

The thesis is entitled "STUDY ON THE FLOW AROUND CONICALLY-NOSED CYLINDERS".

4. Three months training course in FINLAND during summer 1981 in the field of "HEAT EXCHANGERS" design and maintenance.

### EMPLOYMENT HISTORY

January,1984 - March,1988      Demonstrator, Alazhar University

April, 1988 - September,1988      Assistant lecturer Alazhar University

October, 1988 - June,1990      On leave

July, 1990 - May,1993      Assistant lecturer Alazhar University

February, 1991 - July, 1993      Teaching Assistance ,The American University in Cairo(AUC), part time

June, 1993 - October, 1997	Assistant Prof., Alazhar University
September, 1997 - Aug.,1998	On leave
Sept., 1998 - Feb., 2000	Assistant Prof., Alazhar University
March, 2000 - Sept.,2000	On leave
Oct., 2000 - Sept., 2002	Assistant Prof., Alazhar University
Oct., 2002 - May, 2010	Associate Prof., Alazhar University
June, 2010 - Now	Professor, Alazhar University
October, 2012 - 2014	Head of Mech.Eng.Dept.Faculty of Eng., Alazhar University
2014 - Now	Faculty Dean, Faculty of Engineering, Alazhar University

### Teaching Experience

#### (A) Courses Taught at University Level

- 1 .Thermodynamics
2. Air conditioning and refrigeration
3. Steam power stations
4. Energy conversion
5. Fluid mechanics
- 6.Heat transfer
7. Engineering drawing
8. Internal combustion engines
- 9.Numerical analysis

#### (B) Final year projects

1. Design of central air conditioning systems & equipment selection

2. Thermal design of fire tube boilers
3. Combined heat and power plants
4. Raw water treatment plants
5. Design of fire fighting systems
6. Windmills
7. Desert coolers
8. Raw water pump stations

### **Practical Experience**

1. Design of central air conditioning systems for various applications
2. Design and equipment selection of medical gases systems
3. Sheet metal work
4. Hot water supply systems
5. Design and equipment selection of oxygen generation stations

### **Publications**

- 1."Calculation of laminar separation bubbles around conically-nosed cylinders"  
proceedings of Alazhar Eng.Third Int. Conf.(AEIC),Cairo,Egypt,1993.
- 2."Studies on a modified perforated face ceiling " proceedings of Alazhar Eng.  
Fourth Int. Conf.(AEIC),Cairo,Egypt,1995.
- 3."An experimental assessment of the effect of modified perforated face ceiling  
diffuser on the noise level in air conditioned spaces "proceedings of the  
7<sup>th</sup>.(3<sup>rd</sup>.Int.) conf. on Applied Mechanics and Mechanical Eng.(AMME) ,Military  
Technical College,Cairo,Egypt, April,1996.
- 4."Theoretical and experimental study of the free convection in the collector of a  
solar chimney" proceedings of the 7<sup>th</sup>.(3<sup>rd</sup>.Int.) conf. on Applied Mechanics and  
Mechanical Eng.(AMME) , Military Technical College, Cairo, Egypt, April,1996.

5. "Potential flow on Joukowski airfoils "Alazhar University Eng.Journal (AUEJ), vol.5, No.1, Jan., 2002.
6. "The effect of some factors on the boundary layer flow on Joukowski airfoils"" proceedings of the 10<sup>th</sup>.Int. conf. on Applied Mechanics and Mechanical Eng.(AMME) ,Military Technical College, Cairo, Egypt, May,2002
7. "Enhancement of heat transfer by natural convection from horizontal cylinders by using shrouding strips" proceedings of the 10<sup>th</sup>.Int. conf. on Applied Mechanics and Mechanical Eng.(AMME) ,Military Technical College, Cairo, Egypt, May,2002.
8. "Enhancement of heat transfer from flat plate by using ribs in an array impinging jet system ",proceedings of Al-Azhar engineering 9<sup>th</sup>.Int.Conf.(AEIC9),Cairo,April,2007.
9. "The effect of ribs array arrangement on heat transfer enhancement over flat plate in an impinging jet system" Journal of Al-Azhar University Eng. Sector(JAUES) Vol.3,No.6,January,2008.
10. "A theoretical study on hydrocarbon-oxygen and hydrogen –florine reaction systems" Journal of Al- azhar University Eng. Sector(JAUES) Vol.3,No.7,April,2008.
11. "Evaluation of co-generation and tri-generation systems employing reciprocating and gas turbine engines for power generation" proceedings of the 13<sup>th</sup>.Int. conf. on Applied Mechanics and Mechanical Eng.(AMME) ,Military Technical College, Cairo, Egypt, May,2008.
12. "A comparison between flows of three reaction systems through supersonic propulsive nozzles"" proceedings of the 13<sup>th</sup>.Int. conf.on Applied Mechanics and Mechanical Eng.(AMME) ,Military Technical College, Cairo, Egypt, May,2008.

13." Investigation of Laminar Flow Over A Bi-Wedge Shape "Proceedings of 9<sup>th</sup> Int. Conf. on Fluid Dynamics and Propulsion (ICFDP9), Alexandria ,Egypt,December,2008,

14." The Effect of Some Factors on the Supersonic Flows Through Propulsive Conical Nozzles", Ain Shams Journal of Mechanical Engineering, A S J M E,Vol.1,April,2009.

15." Theoretical And Experimental Assessment Of Laminar Separated Flow Past A Bi-Wedge Shape", Ain Shams Journal of Mechanical Engineering, A S J M E,Vol.1,April,2009.

16. "Adiabatic Flows Through Frictional Nozzles", Ain Shams Journal of Mechanical Engineering, A S J M E,Vol.1,April,2010.

17. "Calculation of Laminar Separation Bubbles Over Joukowski airfoils At Low – Reynolds Number" ,Ain Shams Journal of Mechanical Engineering, A S J M E,Vol.1,April,2010.

18 .Supervisor & co- Supervisor of more than twenty Thesis in M Sc and Ph.D. degree

### **Syndicates**

Member of the Egyptian engineers syndicate.

**Present post and address: Faculty Dean, Faculty of Engineering, Alazhar University, Cairo, Egypt.**

Tel: 002-01221666945, 002-01280733973