

## **RESUME**

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**Department of Mechanical Power Engineering**  
**Faculty of Engineering, Alexandria University**  
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### **PERSONAL**

**DATA:**

Date of Birth : November 22,1958

Place of Birth: Alexandria, Egypt

Nationality : Egyptian

Marital : Married

**CAREER:**

Teaching, Research, and Development in Mechanical.

**OBJECTIVE:**

Engineering and related areas to "Fluid Mechanics and Hydraulic Machines".

**EDUCATION:**

\* Ph.D. in Mechanical Power Engineering.

March 1995, Alexandria University, Alexandria, Egypt.

Thesis title: "Dynamic Behavior of Externally Pressurized Conical Bearings".

\* M.Sc. in Mechanical Power Engineering.

October 1987, Alexandria University, Alexandria, Egypt.

Thesis title: "Effect of Pad Geometry on Static and Dynamic Behavior of Externally pressurized Circular Bearing Performance".

\* B.Sc. in Mechanical Power Engineering.

May: 1982, Alexandria University, Alexandria, Egypt.

Grade: Distinction with degree of honour.

**JOB EXPERIENCE:** \* April, 1995, to present Lecturer.  
Department of Mechanical Power Engineering,  
Faculty of Engineering, Alexandria University,  
Alexandria, Egypt.

\* November 1987-April 1995 Research Assistant.  
Department of Mechanical Power Engineering.  
Faculty of Engineering, Alexandria University,  
Alexandria, Egypt.

\* October, 1982-November 1987 Demonstrator.  
Department of Mechanical Power Engineering,  
Faculty of Engineering, Alexandria  
University,  
Alexandria, Egypt.

**TEACHING EXPERIENCE:** Taught the following graduate and under graduate Courses:

- Fluid Mechanics
- Advanced Fluid Mechanics
- Fluid Measurements
- Fluid Machinery
- Lubrication
- Pipes and pipe networks
- Pumping Stations
- Hydraulic Equipments
- B.sc Projects
- Workshop
- Engineering Graphics
- Dynamics
- Senior Projects

IN :

Alex. University Faculty of Eng.  
Arab Academy for Science and  
Technology and Marine Transport.  
B.sc. Project.

## OTHER ACADEMIC INSTITUTIONS :

Part – Time Lecturer

- Mech. Eng. Dept., Faculty of Engineering Arab academy for Science and Technology, Egypt , 1998-present..
- Faculty of Air Defense, Egypt ,1997-present.
- Faculty of Education , Department of Eng.Education,Alex. Univ. Egypt, 1996-present

PUBLICATIONS: Five published presentations, papers and articles in National and international conferences and journals.

1. Khalil,M.F., Elshorbagy, K.A., Kassab,S.Z.,and Abdelnaby,A.A. 1995 “Experimental Identification of Dynamic Characteristics of Externally Pressurized Conical Bearing”, Proceeding of Fifth International Conference of Fluid Mechanics , 2-5 Jan. Cairo, Egypt Vol. 3,pp.1031-1051.
2. Khalil,M.F., Elshorbagy, K.A., Kassab,S.Z.,and Abdelnaby,A.A. 1995 “Dynamic Performance of Hydrostatic Conical Bearings With Rotation”, Proceeding of Fifth International Conference of Fluid Mechanics , 2-5 Jan. Cairo, Egypt Vol. 3,pp.1081-1106.
3. Khalil,M.F., Elshorbagy, K.A., Kassab,S.Z.,and Abdelnaby,A.A. 1995 “Dynamic Stiffness and Damping Characteristics of Compensated Hydrostatic conical Bearing “, Proceeding of Fifth International Conference of Fluid Mechanics , 2-5 Jan. Cairo, Egypt Vol. 3,pp.1197-1229.
4. Khalil,M.F., Elshorbagy, K.A., Kassab,S.Z.,and Abdelnaby,A.A. 1996 “Dynamic Performance of Non Constant Film Thickness Hydrostatic Conical Bearings”, Presented at Society of Engineering Science,33<sup>rd</sup> Annual Teaching Meeting, Oct 20-23 Tempe,Arizona,USAPaper FE3.
5. Khalil,M.F., Elshorbagy, K.A., Kassab,S.Z.,and Abdelnaby,A.A. 1997 “Dynamic Performance of Hydrostatic Conical Bearing Using Non-Newtonian

lubricant”, Proceeding of The 10<sup>th</sup> International Conference on Mechanical Power Engineering, Assiut University Assiut Egypt Dec.16-18 , pp. 427-444.

**M. SC SUPERVISION :**

- Belt Skimmer Performance.
- Double Drum Skimmer Performance.
- Centrifugal Pump Performance.
- Tube Pump Performance.
- Jet Pump Performance.

**SHORT COURSES**

- “Hydraulic circuits” 5-9 Dec.1999, 16-20 April 2000, 5-9 Nov.2000, 1-5 April 2001, 14-19 April 2001,12-16 Aug.2001.  
Engineering Community Development Center, Faculty of Engineering, Alexandria University, Egypt.

- “Mechanical Seals Technology” 11-15 March 2001, 15-19 July 2001, 5-9 Aug.2001 ,5-9 Sept.1999, 24-28Oct.1999, 1-5April 2000, 20-24 Aug.2000, 29Oct.-2Nov. 2000,  
Engineering Community Development Center, Faculty of Engineering, Alexandria University, Egypt.

- “Compressors Technology” 7 - 11 Nov. 1999, 16-20 June, 2001  
Engineering Community Development Center, Faculty of Engineering, Alexandria University, Egypt.

- “Fundamentals of Lubrication” 8-12 April 2001 ,14-18 Nov.1999, 5-9 March, 2000, 30 July-3 Aug.2000, 18-22 March 2001  
Engineering Community Development Center, Faculty of Engineering, Alexandria University, Egypt.



- “Pump Technology and Hydraulic Motors.” Nov.1997.  
Engineering Community Development Center, Faculty of Engineering, Alexandria University, Egypt

## FIELD

### EXPERIENCE: -

- Consultation
- Design
- Supervision
- Training programs for Engineers and Technicians

#### **1.Pipeline and pipe net works for :**

- Petroleum products .
- Domestic water
- Fire fighting
- Irrigation system (drip + sprinkler )

#### **2.Pumping stations :**

- Petroleum Products
- Boosters
- Irrigation
- Fire fighting
- Sewage

#### **3.Swimming pools and spas.**

#### **4.Water action and Parks.**

#### **5.Water falls.**

#### **6.Fountains .**

#### **7.Water and sewage treatment plants.**

#### **8.Air ventilation.**

#### **Consultation Offices in cooperation :**

1. Cloward & Associates . Consulting engineers U. S. A.  
2696 N. University Are. Suite 290 Provo. UT 84604
2. Prof. Dr. Fathy Abdel Rabo -Alex. Egypt .
3. Prof. Dr. Sadek El Adawee - Alex . Egypt .
4. Engineering consulting group Alex – Egypt ( Sebaaky- Ibrahim – Gasolly ) .
5. Engineering consulting office Alex – Egypt ( Dr. Abo – Tabek)
6. Engineering office for consultation and constructions Alex- Egypt .  
( Dr. Zakaria Shaloma ).
7. Prof. Dr. Abdel Salam Aad. Alex .
8. Prof. Dr. Hamdy El Kamhawe Alex.
9. Ragab consulting office – Alex – Egypt (Dr. Tark Saad )
10. Arab consulting office – Cairo – Egypt
11. Eco- Plan consultation – Cairo – Egypt .
12. The American consulting office – Alex – Egypt.

( Dr. Yossry Anany)

13. Prof. Dr. Amr El Adawee . Alex . Egypt.
14. Prof. Dr. Mohamed Abdel Aziz Alex. Egypt .
15. ECG – Environmental consulting group Prof. Dr. Amr El- Shreif  
Eng- Mohamed Abdel Aziz.
16. Dar- El- Kabra for Art. Consultations Prof. Dr. Raghb Radwan .
17. Prof. Dr. Y. Mostafa Alex Egypt .