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**Education:** Ph.D., Mechanical Engineering, University of Alexandria, Egypt, 2011.

: M.S., Mechanical Engineering, University of Alexandria, Egypt, 2002.

: B.S., Mechanical Engineering, University of Alexandria, Egypt, 1996.

#### **Academic experience**

- Beirut Arab University, Assistance professor Mechanical engineering Department, present
- Alexandria University, Egypt , Assistance Professor, 2011- August 2017, full time.
- Alexandria University, Egypt , Lecture , 2002- August 2006, full time
- Alexandria University, Egypt , Teaching Assistance, 1997- August 2002, full time
- Arab Academy for Science and Technology, Egypt AAST , Assistance professor in Mechatronics 2001- May 2017 Part time
- Pharos University , Egypt , Assistance professor in Mechatronics 2001- May 2017 Part time.

#### **Non academic experience.**

- Work as Assistance for the Alexandria Governor 2014- October 2015, part time.
- Work Consultant for Alexandria Municipality for Electromechanical and mechanical since 2014 – August 2017, Part time.
- Member of Alexandria university Central Anti-Corruption committee 2014 – August 2017, Part time.
- Consultant for mechanical engineering project:
  - Valley of King Company, SAN STEFANO hotel with Valley of King Company. May 2003 – 2004
  - Marsa Alam air port, Mubarak grand studio in the 6<sup>th</sup> October city and Meridian Hotel Cairo (December 2000 to September 2004).
  - Elalamia company Install a complete design office for cranes including overhead



crane and jib crane, 2003-006.

- Ezz steel company, design for Burn Scrap 2007.
- Al Amria petrol company, complete as built drawing for oil& phenol unit the unit (capacity 40% of all oil production in Egypt) 2011.
- **Certification or professional Registration.** 240125, Egypt
- **Current membership in professional organizations**
  - **ASME** Member #000100830756
  - Editorial Board : Asian journal of Applied Science and Technology (AJAST) ISSN: 2456-883X
- **Honors and Awards:**
  - Graduated with High distinction From Alexandria University , 1996.
- **Service activities.**
  - 2013-2015 Member of SMOT (Sustainable Mediterranean Old Towns ) project Team <http://www.smotproject.eu/> funded with EU, 2013-2015.
  - 2016 - present Judge, Egyptian Engineering day
  - 2012 Leader of Alexandria formula student Team Hockenheim Germany
  - 2015 Leader of R.O.V. Team from 2012 to 2015 ( 1<sup>st</sup> of Egypt 3<sup>rd</sup> of international USA 2015)

## 9. Principal publications and presentations from the last five years:

### 9.1 Textbook

Chapter on Springer.

- <https://www.springerprofessional.de/understanding-the-dilemma-of-the-municipal-solid-waste-managemen/12288184>

### 9.2 Journal Publications

- M.A.El-Gohary,A.E.Geweda, A. M.El-Nabawy and T.Awad " Improvement of Vehicle Ride Comfort using Genetic Algorithm Optimization and PI Controller" AEJ Accepted 15 April 2017 in press
- M.A.El-Gohary, A.Abd\_Elsalam, and H.A.El-Gamal " Simulation of Nonlinear Quarter Car Suspension System with and without Tire Damping" IJAST Issue 6 volume6, November-December 2016 ISSN 2249-9954.
- M.A.Elghohary, B.N.Zaker, I.M.Elfaqham, and H.A.EL-Gamal " Computational Fluid Dynamics Reuslts For Ahmed's Car Model" IJAST Issue 6 volume6, November-December 2016 ISSN 2249-9954.
- M.A.El-Gohary, E.M.Attia ,N..M.Elsodany and H..A.Elgamal " Theoretical and Experimental Study of Magneto-rheological Fluid Disc Brake" AEJ Accepted 14 November 2016 in press.



- M.A.El-Gohary, A.Abd\_Elsalam, and H.A.El-Gamal " Modal Analysis on Tire With Respect to Different Parameters " AEJ Accepted 24 September 2016.
- M.A.El-Gohary, E.M.Attia ,N..M.Elsodany and H..A.Elgamal "Magneto-rheological Fluid Disc Brake Design and performance" IJAST Issue 6, volume 3, May-June 2016 ISSN 2249-9954.
- M.A.El-Gohary, [M. Elzouka](#), and [Abdelhamid Attia](#) "Control of Heat Integrated Distillation Employed by Cryogenic Air Separation Using Decentralized Simple PID Controllers" ASME 2015 International Mechanical Engineering Congress and Exposition, Volume 6A: Energy, Houston, Texas, USA, November 13–19, 2015.
- M.A.El-Gohary, M.Farid Khalil and Ali A.Shaito " Application Of Artificial Neural Network For Prediction Of Trimmed Impeller Size Of a Centrifugal Pump" ICFD11, December 19-21, 2013, Alexandria Egypt.

### 9.3 Conference Proceedings

- Mohamed A.EL-Gohary ,Rasha F. Elgazzar,and Rania F. El-Gazzar , "Understanding the Dilemma of the Municipal Solid Waste Management System in Alexandria, Egypt: Could ICT Improve the System?" 14th IFIP WG 9.4 International Conference on Social Implications of Computers in Developing Countries, ICT4D 2017, Yogyakarta, Indonesia, May 22-24, 2017, Proceedings
- M.A.El-Gohary, [M. Elzouka](#), and [Abdelhamid Attia](#) "Control of Heat Integrated Distillation Employed by Cryogenic Air Separation Using Decentralized Simple PID Controllers" ASME 2015 International Mechanical Engineering Congress and Exposition, Volume 6A: Energy, Houston, Texas, USA, November 13–19, 2015.
- M.A.El-Gohary, M.Farid Khalil and Ali A.Shaito " Application Of Artificial Neural Network For Prediction Of Trimmed Impeller Size Of a Centrifugal Pump" ICFD11, December 19-21, 2013, Alexandria Egypt

### 10. Professional development activities in the last five years

- ICFD11, December 19-21, 2013, Alexandria Egypt.
- ASME 2015 International Mechanical Engineering Congress and Exposition, Energy, Houston, Texas, USA, November 13–19, 2015.
- SMOT kick of meeting workshop Jordon March 2014
- SMOT workshop Cordoba Spain June 2014 .
- SMOT workshop Safakes Tunis October 2014 .
- SMOT workshop Ragoza, Italy April October 2015
- SMOT workshop Alexandria,Egypt October 2015
- SMOT Final Meeting Cordoba, Spain December 2015.