



DR: MOHAMED MORSY EL GOHARY

DATE OF BIRTH :16-11-1969
MARITAL SAT :MARRIED
NATIONALITY :EGYPTIAN
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: prof.morsy@gmail.com

- 1- Bs. C.: Alexandria University, Alexandria, Egypt, 1992.
- 2- Ms. C.: Automatic Control in Marine Diesel Engines at Part Load, Alexandria University, Alexandria, Egypt, 1996.
- 3- Ph. D.: Solar Energy and Diesel Engine for Electrical and Cooling Applications, Hannover University, Hannover, Germany, 2004

Languages:

- Arabic mother tongue
- English fluent written and spoken
- German fluent written and spoken

Work Experience:

- 1992-1998 Alexandria University, Alexandria Egypt
Course Instructor:
 - 1- General (Mathematics- Thermodynamics- Machine Drawing)
 - 2- Marine Diesel Engines- Marine Power Plant- Marine Engineering- Naval Architecture- Diesel power Plant- Automatic Control- Theory of Machine – Refrigeration and Air Conditioning.
- 1999-2004 Faculty of Engineering, Hannover University; Germany

Course Instructor:

- 1- Steam Power Station – Marine Diesel Engine I- Energy System Economics Central Power Station- De-Centralize Power Station- Renewable Energy Systems.
 - 2- Computer Package (EES) { Engineering Equation Solver }
- 2004-2007 Alexandria University, Alexandria Egypt

Lecture:

Marine Power Plant- Marine Diesel Engines- Marine Engineering –Marine Energy Systems- Automatic Control- Ship Outfitting

- 2005-2006 Alexandria Petroleum Company { Training Courses for Engineers }
- 2006 Petroleum Marine Service PMS { Training Courses for Engineers }
- 2004 – 2007 Part time lecturer in Arab Academy for Science, Technology and Marine transport.

Course Lecture:

- 1- Diesel Engines III
- 2- Maintenance Planning
- 3- Post graduate supervision
- 4- B. Sc. Projects supervision

Training Courses (Faculty and Leadership Development Center [FLDC])

2. Effective Presentation Skills (I1), December 13-15-2005
3. Research Management (T8), December 17-19, 2005
4. Decision Making & Problem Solving (L3), April 22-26,2006
5. Curriculum Design (T4), April 29-30, 2006
6. Credit Hours (T10), May 2-3, 2006

Summer and Part Time Jobs:

- **1991** Alexandria Shipyard Alexandria, Egypt
Attending Vessel in Dry Dock and Overhaul of its Generator Diesel Engine.
- **1992** Amria Petroleum Company, Alexandria, Egypt
Training
- **1999** Siemens AG Company, Berlin, Germany
Turbine manufactures
- **2000** Hannover Power Station, Hannover Germany
Training
- **2000** Nuclear Power Station Germany
Visit
- **2001** Solar Institute Hameln, Germany
Training for being Dipl. Engineer
- **2002** Motorenwerke Bremerhaven Bremerhaven, Germany
Various repair Activities
- **2003** Offshore Wind Engineering Converter, Hannover, Germany
Visit
- **2002-2004** SMM for Shipping, Hamburg, Germany

Education

- 1988-1992** :Faculty of Engineering, Alexandria University
Bachelor Degree of Science (Marine Engineering Department)
- 1993-1996** :Faculty of Engineering Alexandria University
Master Degree of Science (Marine Engineering Department)
- 1998-1999** :Goethe Institute Alexandria, Egypt
- 1999-2000** :Institute of Energy Technology, Hannover University, Germany
Study for being Dip. Engineer
- 1999-2004** :Faculty of Engineering, Hannover University, Germany
Doctor of Engineering

Published Researches

1. Future of Hydrogen in Marine Applications as Green Energy, World Renewable Energy Congress IX, Florence, Italy, 19-24 Aug. 2006.
2. M. Morsy El- Gohary, "Environmental and Economical Study for Using Natural Gas Cooling in Marine Platform, Rettbe 5th International Conference, 2006, Alexandria, Egypt Accepted May 2006.
3. Design of hydrogen in Marine Gas Turbine, Alexandria Engineering Journal, Alexandria, March 2007.
4. Computer Based Design Marine Hydrogen Internal Combustion Engine Computer Theory and Applications ICCTA 2007, Alexandria, Egypt, 1-3 September 2007.
5. Finite Element Analysis of Marine Diesel Engine Components, 16th International Conference Computer Theory and Applications ICCTA 2006, Alexandria, Egypt, 5-7 September 2006.
6. Economical and Environmental Advantages of Using Natural Gas as a Fuel Inland Water Transport, International Conference CIMAC'2007, Vienna, Austria
7. The Future Use of Natural Gas for Marine Propulsion as Environmental Friendly Fuel, Conference in Arab Academy for Science Technology and Maritime Transport, Alexandria, December 2005.
8. Environmental and Economical Evaluation of Using Natural Gas as a Fuel for Inland Water Transportation "A Case Study of a Container Barge". Melaha 3rd International Conference, Le Meriden, Louxor, Egypt, May 15-17,2006.
9. Environmental and Economical Study for Using Natural Gas Cooling in Marine Platform, Rettbe 5th International Conference, 2006, Alexandria, Egypt December 2006.
10. Diesel Engines and Solar Energy for Electric and Cooling Application, PhD theses 2004, Hannover University, Hannover, Germany, 2004.
11. Speeds Control of Marine Diesel Engines- A Parametric Analysis. AEJ. October 1995, Alexandria, Egypt.

12. Behavior of Conventional and Non- Conventional Speed Regulating Systems for Marine Diesel Engines. AEJ, October 1995, Alexandria, Egypt.
13. Governing of Marine Diesel Engines under deterministic Perturbations. AEJ, October 1995, Alexandria, Egypt.
14. Automatic Control of Marine Diesel Engines at Part Load, Msc. Theses, 1996, Alexandria University, Alexandria, Egypt.

Current Researches:

1. The Future of Fuel Cell in Marine Applications.
2. Waste Heat Recovery of Marine Diesel Engines.
3. Modern Marine Power Plants
4. The Application of Natural Gas in Marine Applications.
5. Hydrogen Internal Combustion Engines.
6. Fuzzy Control System of a Dredger Ships.
7. Sea Water Desalination with Solar Energy.

Countries Visited

Germany, Italy, Belgium, France, Holland, Switzerland, Saudi Arabia