



ABDULLAH A.ELFAR

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ACCOMPLISHMENTS

Over 10 years of progressive experience in many mechanical engineering research and teaching fields, with a broad knowledge of industrial engineering, material science and passive thermal control systems. A hands-on professional with a proven record of success.

EDUCATION

- | | | | |
|---|--------------------|-------------------|---------------|
| 2009-2012 | Ph.D, | Helwan University | Helwan, Egypt |
| ■ Automated Inspection Systems | | | |
| 2002–2006 | Master of Science, | Cairo University | Cairo, Egypt |
| ■ Concentrations: Micro-Satellite Passive Thermal Control | | | |
| ■ Dissertation: The temperature distribution on a micro-satellite surfaces has been computed for different orbit conditions using an explicit finite difference technique. Also, The effect of the thermal properties of satellite surface material on its temperature distribution has been studied. | | | |
| 1995–2000 | Helwan University | | Cairo, Egypt |
| ■ B.Sc in Mechanical Engineering. (Production Engineering) | | | |
| ■ Final Year & Graduation Project grade: Excellent | | | |
| ■ Average grade: Very Good | | | |
| ■ Ranked the 4th over the mechanical engineering department. | | | |

EXPERIENCE

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|--|--------------------------------|-------------------|
| Sep 2009- Present Time | Faculty of Engineering, | Helwan University |
| Assistant Lecturer | | |
| Teaching Manufacturing Technology, Maintenance Management and Engineering Economy. | | |
| Aug 2008– Sep 2009 | Canadian International College | Cairo, Egypt |
| Assistant Lecturer – Full Timer | | |
| ■ Teaching Manufacturing Technology, Computer Application in Industry, Engineering Drawing and CAD/CAM | | |
| Jan 2007–Aug 2008 | National Research Center | Giza, Egypt |
| Assistant Researcher | | |
| Jan 2002–Jan 2007 | National Research Center | Giza, Egypt |
| Research Assistant | | |
| ■ Assist my supervisors in some research projects . | | |
| ■ Gather information about some environmental problems. | | |
| ■ Teaching MS Project and AutoCAD software in the NRC Training Center. | | |

Sept 2004–Present time Thebes Academy for Science Cairo, Egypt
Teaching Assistant – Part Timer

- Teaching Descriptive Engineering and Engineering Drawing

July 2006–Aug 2008 Canadian International College Cairo, Egypt
Teaching Assistant – Part Timer

- Teaching Material Science, Metallurgy, Engineering Drawing and CAD/CAM

Jan 2001–Jan 2002 Arab International Optronics Cairo, Egypt
Quality Control Engineer

- Improved the check sheet system for the mechanical inspection department.
- Set up a new system for inspection data saving and analyzing.
- Designed four new measuring systems for lenses and prisms testing with suitable fixtures.

Aug 2000–Jan 2001 Egyptian Can Making Company 6 October, Egypt
Maintenance Engineer

- Identified problems and diagnose causes of many mechanical malfunctions due to failure of operational equipments.
- Performed preventative and corrective maintenance.
- Developed the preventative maintenance system.
- **Successfully managed and trained a 6-persons team of employees in how to use a preventative maintenance computer program.**

TRAINING COURSES

Nov 2005- March 2006 Euro focus – International Consultants Ltd. Cairo
■ Successfully completed the distance learning workshop on **Knowledge Innovation**

Sept 2005 Wuhan Huazhong University Wuhan, China
■ Successfully completed study in the training workshop on **Numerical Control Technology**

Aug 2002–Nov 2002 Berlitz Institute Cairo

Basic Business Skills Acquisition (BBSA), one of the Future Generation Foundation Programs.

- Developed my ability to converse in English fluently.
- Developed my computer skills as well as Sales and Marketing skills.

June 1999–Sept 1999 Wattar Company for Metallic Appliances Syria

- Appliances assembly lines.

June 1998–Sept 1998 Helwan Company for Metallic Appliances Cairo

- Appliances assembly lines.

June 1997–Sept 1997 Helwan Company for Castings Cairo

- Sand Casting line.

PUBLICATIONS

- A. M. Abouel-Fotouh, I. Shabaka, A. Elsharkawy, and A. Elfar , " Material Selection for Satellite Passive Thermal Control" Journal of Applied Sciences Research,INSInet publications, December 2006.
- A. M. Abouel-Fotouh, I. Shabaka, A. Elsharkawy, and A. Elfar , " The Effect of Satellite Orientation on Satellite Surface Temperature Distributions " Journal of Applied Sciences Research, INSInet publications, December 2006.

AWARDS AND HONORS

- Knowledge Innovation Practitioners Certificate of Award, 2005
- Knowledge Innovation Strategy Deployment Certificate of Award, 2006

SKILLS AND QUALIFICATIONS

COMPUTER SKILLS

- MS-DOS and Windows,MS-Office (Word, Excel, Power.Point, and Access)
- Matlab, Fortran, Visual Basic, MS-Project, AutoCAD, M. Flash

LANGUAGE SKILLS

- Arabic: Mother Tongue
- English: Fluent

PERSONAL SKILLS

- Able to work under pressure as well as to concentrate
- Organized, efficient, and quick learner.

INTERESTS

Jogging, chess, and computers.

PERSONAL INFORMATION

Date of Birth: September, 10, 1978

Military Status: Completed

Marital Status: Single

REFERENCES

1- Dr. Ibrahim Shabaka, Professor

Cairo University, Engineering Faculty, Aerospace Department

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2- Dr. Kamal Abed, Professor, Head of Department

National Research Center, Mechanical Engineering Department

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