



## FATMA HANAFY EL FOULY YOUSIF

### Personal information

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E-mail	<b>fatma_elfoly@yahoo.com</b>	
Gender	Female	
Marital status	Single	
Nationality	Egyptian	
Date of birth	25 June 1981	
Place of birth	Egypt	

### Objectives

Seeking for a meaningful and challenging position in reputable company that enables me to utilize my skills and develop my experience in challenging environment.

### Desired employment / Occupational field

Teacher

### Work experience

Dates	September 2003 – Present
Occupation or position held	Doctor
Name employer	El Shorouk Academy, Cairo
Type of business or sector	Teaching stuff



### Educational curriculum

Dates	August 2016
Title of qualification awarded	- PHD of engineering in communication and electronics sciences about " <b>A Moving Object Tracking in Wireless Sensor Networks</b> ".
Name of organisation providing education	Faculty of Electronic Engineering, Menoufia University.
Dates	July 2008
Title of qualification awarded	- Master of engineering in communication and electronics sciences about " <b>Design, Implementation and Applications of Digital Filter and Wavelet transform using FPGA Technique</b> ".
Name of organisation providing education	Faculty of Electronic Engineering, Menoufia University.

## Publications

- Fatma H. El-Foly, Mohamed I. Mahmoud, Moawad I. Dessouky, and Salah Deyab, "Signal denoising by wavelet Packet transform on FPGA Technology", Ubiquitous Computing and Communication Journal (UBICC Journal). January 2008, vol. 3, PP. 54 – 58.
- Fatma H. El-Fouly, Mohamed I. Mahmoud, Moawad I. Dessouky, and Salah Deyab, "Comparison Between Haar and Daubechies Wavelet Transformation on FPGA Technology", Proc. of The International Conference on Computer, Electrical Science, and Engineering. CESSE 2007, Barcelona-Spain, April 25-27,2007. Also it is published in the International Journal of Applied Mathematics and Computer Sciences, April 2007, Vol. 4, No. 2, PP. 1305-5313.
- Fatma H. Elfouly, Rabie A. Ramadan, Mohamed I. Mahmoud, and Moawad I. Dessouky, "SWARM Intelligence for balancing energy and reliable routing in WSN," The Mediterranean journal of electronics and communications, vol.9, No.4, pp. 622-630, 2013.
- Fatma H. Elfouly, Rabie A. Ramadan, Mohamed I. Mahmoud, and Moawad I. Dessouky, "Resource aware and reliable routing in heterogeneous WSNs," CiiT international journal of network and international engineering, vol. 2, No2, 2014.
- Fatma H. Elfouly, Rabie A. Ramadan, Mohamed I. Mahmoud, and Moawad I. Dessouky, "REBTA: Reliable Traffic Aware Energy Balance Routing in Wireleass Sensor Network," International Journal of Advancements in Communication Technologies– IJACT, vol. 2, pp. 1-5, 2015.
- Also, published in Proc. of The Second Intl. Conf. On Advances In Computing, Control And Networking - ACCN 2015, pp. 87-91, 2015.
- Fatma H. Elfouly, Rabie A. Ramadan, Mohamed I. Mahmoud, and Moawad I. Dessouky, "Swarm Intelligence Based Reliable and Energy Balance Routing Algorithm for Wireless Sensor Network," special issue of FUEE scientific journal, vol. 29, no. 3, pp. 339-355, 2016
- Also, published in Proc. of International Conference on Recent Advances in Computer Systems, 2015.
- Fatma H. Elfouly, Rabie A. Ramadan, Mohamed I. Mahmoud, and Moawad I. Dessouky, "Resource Aware and Reliable Data Reporting Algorithm for Object Tracking in WSNs," International Journal of Intelligent and Fuzzy systems, vol.31 , pp.99-113, 2016.
- Fatma H. Elfouly, Rabie A. Ramadan, Mohamed I. Mahmoud, Moawad I. Dessouky, and Fathi. Abd El-Sami "REBTAM: Reliable Traffic Aware Energy Balance Data Reporting Algorithm for Object Tracking in Multi-Sink Wireless Sensor Networks," International Journal of Wireless Networks, Springer, 2016.
- Fatma H. Elfouly, Rabie A. Ramadan, Mohamed I. Mahmoud, and Moawad I. Dessouky, "Efficient Data Reporting in a Single and Multi-object Tracking Using WSNs," Special Issue on Reliability and Fault Tolerant Strategies and Protocols in Wireless Sensors Network International in Journal of System Dynamics Applications (IJSDA), 2016.

## Courses

- Excellent knowledge using FPGA Advantage and Modelsim
- Excellent coding capability using VHDL.
- Excellent knowledge using Back-in tools (eg. Quartus from Altera).
- Very good coding capability using VHDL-AMS.
- Very good knowledge using ADMS tool.
- Very good coding capability using Mathlab
- Very good coding capability using C++.

## Language

Mother tongue

**Arabic**

Another languages

**English**

Understanding		Speaking		Writing
Listening	Reading	Interaction	Production	
<b>Very Good</b>				

<b>Social skills and competences</b>	
	<ul style="list-style-type: none"> <li>- Team worker and have a good eye on details.</li> <li>- High level of interpersonal and communication skills.</li> <li>- Able to meet deadlines and accept the extra mile job.</li> <li>- Active, Dynamic, Open minded and Work well under stress and for long times.</li> </ul>
<b>Computer skills</b>	
	<ul style="list-style-type: none"> <li>- Proficient user of MS Windows Operating Systems (XP and Vista) and MS Office (word, Excel and PowerPoint).</li> <li>- Technical support(hardware and software)</li> </ul>
<b>Other skills and hobbies</b>	
	<p><b>PERSONAL INTERESTS</b></p> <ul style="list-style-type: none"> <li>- Research,</li> <li>- Music,</li> <li>- Reading,</li> <li>- Internet surfing, Shopping,</li> <li>- and Making new friends.</li> </ul>
<b>Additional information</b>	References available upon request