Waleed Saad Fouad Hilmey El-Sayed

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EDUCATION

- Start my Doctor of Philosophy (Ph.D.) degree in Electronics and Electrical Communication Engineering in August 2008.
  Ph.D. title: **"WiMAX Implementation over FPGA".**
- Master of Science (M.Sc.) degree in Electronics and Electrical Communication Engineering.
  Master title: **"Ultra Wideband (UWB) Medium Access Control Protocol Design"** in April 2008.
- Finished my post graduated in communication department in November 2006.
- Bachelor in Electronic Engineering (B.Sc.) in May 2004.
  Department: Electrical and Electronic Engineering.
  General grade: excellent with an honour medal.
  Project name: Satellite Communication Systems.
  Project degree: excellent.

DEVELOPMENT PROGRAMS

- International TOEFL Internet Based Test (TOEFL/IBT) on 19 March 2011 with score of 65.
- National TOEFL sample test score of 623 from the American University in Cairo in November 2009.
- Digital design (by VHDL) and Analog design (Printed Circuit Board Design (PCB)) Mentor Graphic course in May 2009.
- The International Computer Driving Licence (**ICDL**) certification in 2008.
- Pass the four CISCO Academy semesters in February 2008.
- CISCO Certified Network Associate (CCNA) attendance in National Telecommunication Institute

(NTI), Egypt.

- Several development programs have been attended in the Faculty and Leadership Development Project (FLDP) held at the Center of Faculty and Leadership Development, Menufiya University.

The attended programs:

- The Effective Teaching.
- The Effective Management of Time and Work Pressures.
- The Supply of Basic Skills.
- The scientific publishing.
- The communication skills for different education cultures.
- The Credited Hours Systems.

- Level 2 from three levels of Toefl from American University in Cairo in November 2005.
- Level 1 from nine levels of German language from Menufiya University in April 2005.

OTHER SKILLS

- Very good information about:
  LTE communication systems.
  WiMAX System.
  Ultra Wideband (UWB) Communication Systems.
  Satellite Communication Systems.
  Mobile Communication Systems.
  Wired and Wireless Computer Networks.
  CDMA System.
  Medium Access Control Protocols in WLAN and WPAN.
  Radio Communication and Resources.
  Computer Software and Hardware.
  Internet Advanced.
  Matlab Programming Language.
  Field Programmable Gate Array (FPGA)
  Hardware programming languages.
  Digital Signal Processing (DSP).

1. N. El-Fishawy, M. Shokair, and **W. Saad**, "**A Novel MAC protocol for High Rate UWB Network**," UBIquitous Computing and Communication (UBICC) Journal, vol. 3, no. 1, 2008.

   + Also in IEEE Conference onWireless Rural and Emergency Communications Conference (WRECOM 2007), Rome, Italy, October 1-2, 2007.

2. N. El-Fishawy, M. Shokair, and **W. Saad**, "**Quality of Service Provisioning for Multimedia Transmission over UWB Networks**," UBIquitous Computing and Communication (UBICC) Journal, vol. 3, no. 1, 2008.

   + Also in the third International Conference on COMmunication System softWAre and MiddlewaRE (COMSWARE), Bangalore, India, January 5-10, 2008.

3. N. El-Fishawy, M. Shokair, and **W. Saad**, "**Proposed Mac Protocol Versus IEEE 802.15.3a for Multimedia Transmission Over UWB Networks**," Journal of Progress In Electromagnetics Research B (PIER B), vol. 2, pp. 189-206, 2008.

   + Also accepted in the 6th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA-08), Doha, Qatar, March 31 – April 4, 2008.

4. N. El-Fishawy, M. Shokair, and **W. Saad**, "**A New MAC Protocol for Interference Reduction over UWB Networks Using Smart Antennas**," in the 25th National Radio Science Conference, URSI, Tanta, Egypt, March 18-21, 2008.

   + Also accepted in UBIquitous Computing and Communication (UBICC) Journal.

5. **W. Saad**, N. El-Fishawy, S. El-Rabiae, and M. Shokair, "**Adder / Subtraction / Multiplier Complex Floating Point Number Implementation over FPGA**," in the 5th International Computer Engineering Conference, ICENCO 2009, Cairo, Dec. 27-28, 2009.

6. **W. Saad**, N. El-Fishawy, S. El-Rabiae, and M. Shokair, " <u>**An Efficient Technique for OFDM System Using Discrete Wavelet Transform**</u>, " accepted in the 6th international workshop on mobile commerce and services (WMCS2010), May 10-14, 2010, Hualien, Taiwan.

   Published in the Proceedings of the Advances in Frid and Pervasive Computing, Lecture Notes in Computer Science, 2010, Volume 6104, LNCS 6104, pp. 533-541, 2010.

7. **W. Saad**, N. El-Fishawy, S. El-Rabiae, and M. Shokair, " <u>**A 64 Point I/FFT Processor Implementation over FPGA**</u>, " in the International Journal of Computing & Information Technology

INTERESTS

- Internet.
- Searching for knowledge.
- Watching football, playing chess, and travelling.