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# CURRICULUM VITAE



## PERSONAL DATA

Name :	Zeiad Mohammed El-Saghir Taha Abdoun
Date of Birth :	30/ 10/ 1965
Place of Birth :	Kena, Egypt
Nationality :	Egyptian
Martial state :	Married and have 5 sons
Address :	Shebin El-Kom, Menofia, Egypt
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Current University

Menofia University

Current Faculty

Faculty of Electronic Engineering

Current Department

Computer Science and Engineering Department

General Specialization

Computer Science and Engineering

Fine Specialization

Switching in ATM Networks

## ACADEMIC QUALIFICATIONS

**First University Degree:** (B.SC. Industrial Electronics Engineering)

**Date Awarded:** 1988      **Average Grade:** Very good with honor

**College (or Faculty):** Faculty of Electronic Engineering

**Name and Place of University:** Menofia University, Menof, Egypt

**Specialization:** Computer Science and Engineering Department

**Title of Graduation Project:** An Expert System to Discover Faults in  
Computer Peripherals

**Second University Degree:** (M.SC. in Computer Science and Engineering)

**Date Awarded:** 1994

**College (or Faculty):** Faculty of Electronic Engineering

**Name and Place of University:** Menofia University, Menof, Egypt

**Specialization:** Computer Science and Engineering

**Title of Thesis:** A Microprocessor-Based Interface for Computer Networks

**Third University Degree:** (PhD in Computer Science and Engineering)

**Date Awarded:** 2001

**College (or Faculty):** Institute of Control and Systems Engineering

**Name and Place of University:** Technical University of Wroclaw, Wroclaw, Poland

**Specialization:** Computer Science and Engineering

**Title of Graduation Project:** A High Performance ATM Switch Design and Analysis

## LANGUAGES

Language proficiency	Reading			Writing			Conversation		
	Excellent	Fair	Weak	Excellent	Fair	Weak	Excellent	Fair	Weak
Arabic									
English									
Polish									

## EMPLOYMENT HISTORY

Institution (place of work)	Period		Job Title (Academic Rank)	Nature of Work
	From	To		
Faculty of Electronic Engineering	1990	1994	Demonstrator	Teaching, Training and Research
Faculty of Electronic Engineering	1994	1996	Assistance Lecturer	Teaching, Training and Research
Technical University of Wroclaw	1996	2001	Research Student	Research
Faculty of Electronic Engineering	2001	2003	Lecturer	Teaching and Research
Higher Institute of Engineering – Hoon - Libya	2003	2008	Lecturer	Teaching and Research
Faculty of Electronic Engineering	2008	Till Now	Lecturer	Teaching and Research

## TEACHING EXPERIENCE

Eighteen years in academic teaching. Through these years, I taught the following courses:

No	Course Name	Faculty (or Institute)
1	Introduction to Software Engineering	Modern Academy – Maady – Cairo - Egypt
2	Software Engineering	Faculty of Electronic Engineering - Egypt
3	Combinational and sequential Logic Design	Higher Institute of Engineering – Hoon - Libya
4	Logic Design with VHDL	Faculty of Electronic Engineering - Egypt
5	FPGA and VHDL Experimental Lab	Faculty of Electronic Engineering - Egypt
6	Microprocessors and Applications	Faculty of Electronic Engineering - Egypt
7	Introduction to Microprocessors	Tanta Faculty of Engineering- Egypt
8	Microprocessors Experimental Lab	Faculty of Electronic Engineering - Egypt
9	Embedded Systems Design using Microcontrollers	Faculty of Electronic Engineering - Egypt
10	MikroC Programming Language for PIC Microcontrollers	Faculty of Electronic Engineering - Egypt
11	Computer Engineering	Faculty of Electronic Engineering - Egypt
12	Computer Architecture	Faculty of Electronic Engineering - Egypt
١٣	Computer Peripherals	Faculty of Electronic Engineering - Egypt
١٤	Computer Networks	Faculty of Electronic Engineering - Egypt
15	Digital Data Transfer	Faculty of Electronic Engineering - Egypt
16	Principles of Analog Electronics	Higher Institute of Engineering – Hoon - Libya
17	Advanced Analog Electronics	Higher Institute of Engineering – Hoon - Libya

## RESEARCH INTERESTS

My research interests are in ATM Switching, Traffic Congestion Control in Computer Networks, and Ad Hoc Networks Performance Enhancement.

## PUBLICATIONS

### A) Published Papers

1. El-Saghir Z. and Adam Grzech, "The ICB ATM Switch: An ATM Switch with Shared Cross-Point Buffers", Proc. APCC200 Conf., Korea, Oct. 2000, PP. 107-111.
2. El-Saghir Z., "The RS Switch: A New, Non-Blocking Space-Division Switch for Computer Networks", Vol. 48, No. 1, Mar. 2000, PP. 131-144.
3. El-Saghir Z. and Adam Grzech, "A High Performance ATM Switch Design and Analysis", Proc. ICT2001 Conf., Bucharest, Romania, June 2001, PP. 513-518.
4. El-Saghir Z., H. M. Kelash, and S. A. Elnazly, H. M. Faheem, "Parallel implementation of Smith-Waterman algorithm using MPI, OpenMP and hybrid model", IEEE ICCSIT 2011 Conf., Chengdu, China.
5. Z. El-Saghir, H. M. Kelash, and S. A. Elnazly, H. M. Faheem, "FPGA Based Design of Smith-Waterman Algorithm", International Journal of Intelligent Computing and Information Sciences, Ain Shams University, July 2011.
6. Alshimaa H. Ismail, Zeiad El-Saghir, and I. Z. Morsi, "Survey on Random Early Detection Mechanism and Its Variants", IOSR Journal of Computer Engineering (IOSRJCE), Volume 2, Issue 6 (July-Aug. 2012), PP 20-24.
7. Zeiad El-Saghir, Hamed S. El-Ghety, M. AbdelAziz, "Data Quality in Software as a Service Implementation of Public Geographic

Information System”, International Journal of Electronics Communication and Computer Engineering (IJECCCE), Volume 3, Issue 5, ISSN (Online): 2249–071X, PP 852-855.

8. Zeiad El-Saghir, Hamed S. El-Ghety, M. AbdelAziz, “Efficient Implementation model for Public Geographic Information System: Case Study”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-1, Issue-4, September 2012, PP 32-34.
9. Ahmed A. Montasser, Adel Mahgoup, Ali M. Hassan, and El-Saghir Z., "A Microprocessor-based Controller for Computers Communications", Bulletin of Electronics Engineering, 1994.

#### **B) Text Books**

1. Peter Stavroulakis (Editor), *Reliability, Survivability and Quality of Large Scale Telecommunication Systems*, John Wiley & Sons Ltd., England, 2003, PP. 269-281.
2. Lecture notes in some Courses that I taught to undergraduate students, such as Software Engineering, Combinational and sequential Logic Design, Microprocessors and Applications, Embedded Systems Design using Microcontrollers, Principles of Analog Electronics, and Advanced Analog Electronics.

#### **C) Translated Books:**

١. **التصميم المنطقي:** مترجم من عدة مراجع أجنبية. تم الانتهاء من الترجمة والنسخ الأولي ولم يتم الاتفاق مع دار نشر لإتمام إجراءات نشره.
٢. **مبادئ الإلكترونيات:** مترجم من عدة مراجع أجنبية. تم الانتهاء من الترجمة والنسخ الأولي ولم يتم الاتفاق مع دار نشر لإتمام إجراءات نشره.
٣. **الإلكترونيات المتقدمة:** مترجم من عدة مراجع أجنبية. تم الانتهاء من الترجمة والنسخ الأولي ولم يتم الاتفاق مع دار نشر لإتمام إجراءات نشره.

## REFERENCES

1. Prof. **Nahwal Ahmed El-Fishawy**, Professor and Head of Computer science and Engineering Department, Faculty of Electronics Engineering, Menofia University. (nelfishawy@hotmail.com)
2. Prof. **Nabil Abd-Elwahd Ismail**, Professor in Computer Science and Engineering Department, Faculty of Electronic Engineering, Menofia University. ( nabil\_is@hotmail.com)
3. Prof. **Taha Elsayed Taha**, Professor in Electronics and Communications Engineering Department, Faculty of Electronic Engineering, Menofia University. ( Taha117@hotmail.com)
4. Prof. **Ahmed Aboelfadl**, Professor in Electronics and Communications Engineering Department, Faculty of Electronic Engineering, Menofia University. (ahmedabouelfadl@hotmail.com)