Menoufia University
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CURRICULUM VITAE

Name: Said Mohamed Amain El-Halafawy.
Nationality: Egyptian.
Date of Birth: 19/01/1955.
Place of Birth: Menoufia-Egypt.
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Academic Qualifications:

1-**B.Sc.** (May 1978) in Electronic Eng. From Dept. of Electrical communications, Faculty of Electronic Engineering , Menouf , Egypt.

2-**M.Sc.** (1984) in Electronic and communications Eng. From Dept. of Electrical communications Faculty of Electronic Engineering ,Menouf , Egypt..

3-**Ph.D.** (1990) in communication. From Dept. of Electrical Engineering, Faculty of Electrical and Mechanical Engineering, **Plzen, Czech Republic**.

Professional Background:

1-Demonstrator in Dept. of Electrical communications, Faculty of Electronic Engineering, Menouf, Egypt. From till 07-12-1978

2-Assistant Lecture in Dept. of Electrical communications, Faculty of Electronic Engineering, Menouf , Egypt. From till 27-06-1984.

3-Lecture in Dept. of Electrical communications, Faculty of Electronic Engineering, Menouf , Egypt. From till 25-02-1991.

4-Associate professor in Dept. of Electrical communications, Faculty of Electronic Engineering, Menouf , Egypt. From till 02-12-1995.

5-Professor in Dept. of Electrical communications, Faculty of Electronic Engineering, Menouf , Egypt. From till 28-03-2005.

Supervision of a Thesis:

1-Supervision of a Ph.D. thesis titled, **Interaction of powerful Electromagnetic Waves and Matter**

2-Supervision of a Ph.D. Thesis titled, **Improvement of Performance of Optical Communication Networks**

3-Supervision of a M.Sc. Thesis titled, **Radiation Characteristics of Dielectric Resonator Antenna (DRA)**

Post-Doctor Missions:

1-Attending a post-Doctor mission in **Royal Military College of Canada** from 30/11/1999 to 30/05/2000

2- Attending a post-Doctor mission in **Royal Military College of Canada** from 1/06/2001 to 1/09/2001

Teaching Courses for Undergraduate Students:

1- **Fields and Waves**
2- **High Frequency Technique.**
3- **Electronics**
4- **Electronic Circuits.**
5- **Electrical Engineering.**
6- **Circuit Theory.**
7- **Antenna Engineering.**

8- Radar Systems.
9- Industrial Electronics.
10- Switching Circuits.
11- Mathematics.
12- Engineering Mathematics.
13- Computer Principles.
14- Graduation Projects.

Teaching Courses for Post-graduate Students:

1- Radars
2- Special Mathematics.
3- Communication Circuits

List of publications:

[1] A. A. Sharshar, S. H. Zainud-deen, and **S. M. Elhalafawy**, "Crossed Square Loop Antennas", Al-Azhar Eng. 3rd International Conf., Vol. 6, Electrical Eng. and Electronic Communication, pp. 160-171, Dec. 1993.

Also:

[1] A. A. Sharshar, S. H. Zainud-deen, and **S. M. Elhalafawy**, "Crossed Square Loop Antennas", IEEE Antennas and Propagation Society International Symposium 1997, Vol. 1, pp. 264-267,July, 13-18, 1997.

[2] S. M. Elhalafawy, S. H. Zainud-deen, and A. A. Sharshar, "Solution of Electrostatic Field Problems by Boundary Integral Equation Technique", Electronic Eng. Bulletin, No. 7, pp. 136-187, Faculty of Electronic Eng., Minuf, Egypt, January 1994.

[3] S. M. Elhalafawy, A. A. Mohamed, A. A. Abou-Koura, and F. Z. Elhalafawy, "Propagation of Powerful Electromagnetic Waves in Waters: On Thermal Boolming", Electronic Eng. Bulletin, No. 9, pp. 92-113, Faculty of Electronic Eng., Minuf, Egypt, January 1995.

[4] S. M. Elhalafawy, "Reduction of Thermal Electromagnetic Waves in Waters Via Irradiance Tailoring" Electronic Eng. Bulletin, No. 9, pp. 114-126, Faculty of Electronic Eng., Minuf, Egypt, January 1995.

[5] A. A. Sharshar, and **S. M. Elhalafawy**, "Zigzagged Wire Antennas", Proc. of the Twelfth National Radio Science Conf., B11, March, 1995.

[6] A. I. Bahnacy, M. N. Fahmy, A. A. Sharshar, and **S. M. Elhalafawy**, "Solution of Arbitrarily Bent Wire Monopole Antenna Using Induced EMF Method in view of the Moment Method", Electronic Eng. Bulletin, No. 10, pp. 11-20, Faculty of Electronic Eng., Minuf, Egypt, July 1995.

[7] A. I. Bahnacy, M. N. Fahmy, A. A. Sharshar, and **S. M. Elhalafawy**, "Radiation Characteristics of Tilted Y-Antenna", Electronic Eng. Bulletin, No. 10, pp. 21-30, Faculty of Electronic Eng., Minuf, Egypt, July 1995.

[8] M. M. Elhalawany, **S. M. Elhalafawy**, A. A. Mohamed, and A. A. Saleh, "Propagation TEM_{00}, TEM_{10} and TEM_{20} Modes of Powerful Laser in Natural Water and Seawater", Electronic Eng. Bulletin, No. 10, pp. 31-43, Faculty of Electronic Eng., Minuf, Egypt, July 1995

[9] A. I. Bahnacy, A. A. Sharshar, and **S. M. Elhalafawy**, "EMF Closed Form Solution of The Input Impedance of Symmetrical Quadrilateral Loop Antennas", Electronic Eng. Bulletin, No. 11, pp. 25-32, Faculty of Electronic Eng., Minuf, Egypt, January 1996.

Also:

[9] A. I. Bahnacy, A. A. Sharshar, and S. M. Elhalafawy, "EMF Closed Form Solution of The Input Impedance of Symmetrical Quadrilateral Loop Antennas", IEEE AP-S International Symposium, Baltimore, Maryland, USA, Vol. 1, pp. 284-287, July 21-26, 1996.

[10] A. A. Sharshar, A. I. Bahnacy, and **S. M. Elhalafawy**, "Radiation Characteristics of Open circular Loop Antenna", Proc. of 21th International Conference on Statistics, Computer Science and Applications, Vol. 1 (Engineering Applications), pp. 237-244, Cairo, Egypt, April 6-11,1996.

[11] Mohamed M. E. Elhalawany, Abdel-Naser A. Mohamed**, Said M. Elhalafawy**, , and Gamal A. Soliman, "Soliton Propagation of Laser Pulses Under Water", Electronic Eng. Bulletin, No. 14, pp. 1-19, Faculty of Electronic Eng., Minuf, Egypt, July 1997.

[12] Farage Z. Elhalafawy, Abdel-Naser A. Mohamed**, Said M. Elhalafawy**, and Ehab S. Hashem, "Improvement of Performance of Channels in Optical Local or Wide Area Networks (OLAN'S or

OWAN'S)", Electronic Eng. Bulletin, No. 15, pp. 19-39, Faculty of Electronic Eng., Minuf, Egypt, January 1998.

Also:

[12] Farage Z. Elhalafawy, Abdel-Naser A. Mohamed**, Said M. Elhalafaw**, and Ehab S. Hashem, "Improvement of Performance of Channels in Optical Local or Wide Area Networks (OLAN'S or OWAN'S)", CCM,98, July 1998, Lyon, France.

[13] S. M. Elhalafawy, A. I. Bahnacy, A. Petosa, G. Jaing and Y. M. M. Antar. "A New wide Band Printed Antenna", Conference Proceeding of Antem 2000, Symposium on Antenna Technology and Applied Electromagnetics, pp. 45-48, Winnipeg, Manitoba, Canada, July 30th – August 2nd, 2000.

Also:

[13] S. M. Elhalafawy, A. I. Bahnacy, A. Petosa, G. Jaing and Y. M. M. Antar, "A New wide Band Printed Antenna", Microwave and Optical Technology Letters, Vol.32, No.1, pp.11-14, January 2002.

[14] A. I. Bahnacy, **S. M. Elhalafawy**, and Y. M. M. Antar, " Stacked L-Shaped Probe Fed Microstrip Antenna", 7th IEEE International Conference on Elctronics, Circuits and Systems (ICECS 2000), pp. 210-213, Lebanon, Dec. 17-19, 2000.

[15] Said M. Elhalafawy, Emil Shokr Allah, Aziz El Masry A. Rizk, and Farag Z Elhalafawy, "A Wider Dense Wavelength Division Multiplexing (DWDM) Window Via The Engagement of Raman and Erbium-Doped Fiber Amplifiers", Electronic Eng. Bulletin, No. 22, pp. 24-37, Faculty of Electronic Eng., Minuf, Egypt, July 2001.

[16] S. M. Elhalafawy, "High Gain and Wideband Printed Antennas", Minufiya Journal of Electronic Engineering Research (MJEER), Vol. 12, No.2, pp 41-50, July 2002.

[17] S. M. Elhalafawy, "Broadband Microstrip Antennas Using Parasitic Elements", Minufiya Jorunal of Electronic Engineering Research (MJEER), Vol. 12, No.2, pp 51-58, July 2002.

[18] S. M. Elhalafawy, "Stacked Segmented Patch Probe Fed Broadband Microstrip Antenna", Minufiya Jornal of Electronic Engineering Research (MJEER), Vol. 12, No.2, pp 41-50, January 2002.

[19] Abd-Elfattah A. Saad, **Said M. Elhalafawy,** Mahmoud G. El-Kholy, and Mohamed A. Metawe'e, "Isothermal Surfaces of Dispersion –Free Zones of Germania-Doped Silica Fibers in High Speed Optical Communication Networks", The 7th World Multiconference on Systemics Cybernetics and Informatics, Vol. x, pp.290-295, Orlando, Florida, USA, July, 27-30, 2003.

[20] S. M. El-Halafawy, and Y. M. M. Antar, " Broadband Stacked Printed Antennas" Antem Symposium on Antenna Technology and Applied Electromagnetics, pp.. 539-541, Ottawa, Canada, July 20th – 23rd, 2004.

[21] S. M. El-Halafawy, A. S. Elkorany, and H. A. Sharshar, " FDTD Analysis of A Wideband Inserted RDRA", Accepted for publication in Mediterranean Microwave Symposium MMS 2007, 14-26 May, 2007, Budapest, Hungary.

[22] S. M. Elhalafawy, A. S. Elkorany, and A. I. Bahnacy, "FDTD ANALYSIS OF RECTANGULAR DRA", Accepted for publication in Mediterranean Microwave Symposium MMS 2007, 14-26 May, 2007, Budapest, Hungary.

[23] S. M. Elhalafawy, A. S. Elkorany, and A. I. Bahnacy,"FOLDED U-SLOT BROADBAND COMPACT PRINTED ANTENNA", Accepted for publication in International Conference On Electromagnetics In Advanced Applications (ICEAA 07), 17-21 September, 2007, Torino, Italy.