Curriculum Vitae

Name	: Abdel-Aziz Taha Shalaby
Birth Date	: 8 th Dec. 1952
Place of Birth Nationality	: Kafr El-Shiekh, Egypt. : Egyptian
Marital Status	: Married with four children
Residence	: Shebin El-Kom, Egypt.
Contact	: E-mail: ashalaby290@yahoo.com



Mob.: (002)01225904020

Academic and Professional Informations:

Assoc. Prof. Dr. Abdel-Aziz T. Shalaby was born in Egypt in 1952. He received the B.Sc. degree (with honour) in wireless communications engineering from the Faculty of Electronic Engineering, Tanta University (in that time), Egypt, in 1976, and the M.Sc. degree in microwave engineering from the Faculty of Electronic Engineering, Menoufia University, Egypt, in 1981. His M.Sc. thesis was titled "Monopole Antenna on a Square Ground Plane of Finite Size". He obtained the Ph.D. degree in electronics and communications engineering (microwave integrated circuits area), from the Electrical Communications Engineering Dept. in the Indian Institute of Science (I.I.Sc.), Bangalore, India, in 1988. His Ph.D. thesis was titled "Unilateral Finlines on Anisotropic Substrates" and awarded a special prize from the Council of the Institute.

From 1977 to 1981, he was a Demonstrator, and from 1981 to 1983 he was an Assistant Lecturer both in the Department of Electronics and Communications Engineering, Faculty of Electronic Engineering, Menoufia University. From 1983 to 1988, he was a Research Student in the Dept. of Electrical Communications Engineering, Indian Institute of Science (I.I.Sc.), Bangalore, India. In 1988, he became a Lecturer and since 1992, he has been an Associate Professor both in the Department of Electronics and Communications Engineering, Faculty of Electronic Engineering, Menoufia University. From 1993 to 2001, he was a Staff Member in the Department of Electronic Engineering, the College of Technology, Riyadh. During this period, he was the chairman of the curriculum development committee for communications divisions in the Colleges of Technology, Saudi Arabia.

His current research interests include analysis and design of microwave devices, and applications of high- T_c superconductors in microwave integrated circuits and components on ferroelectric materials and anisotropic substrates. He has authored and co-authored more than 30 papers in national and international conferences and journals, and a number of scientific reports. He has contributed in supervising more than ten M.Sc. and Ph.D. students. Also he was an examiner of a number of M.Sc. and Ph.D. thesises. He is a Member of the Institute of Electrical and Electronic Engineers (IEEE), and the IEEE Microwave Theory and Techniques Society.

Publications:

- K.H. Awadalla and A. T. Shalaby, "Monopole antenna at center of square ground plane: Input impedance and radiation pattern", The Seventh Annual Operations Research Conference Egypt, Feb. 1981, Vol. 7, pp. 108-126.
- A.T. Shalaby and A. Kumar, "Dispersion in unilateral finlines on anisotropic substrates" IEEE Trans. Microwave Theory Tech., MTT-35, pp.448-450, April , 1987.
- A.T. Shalaby and A. Kumar," Characteristics of unilateral finlines and finline couplers on multilayered anisotropic substrates ", Journal of the Institution of Electronics and Telecommunication Engineers (India), Vol.37, No.4, pp. 348-356, 1991.
- A.T. Shalaby and A.Kumar," Characteristics of coupled unilateral finlines on anisotropic substrates ", Electronic Engineering Bulletin, Menoufia University, Egypt, No.2, pp. 57-73,1991.
- A.T. Shalaby ," Analysis of finlines on anisotropic-semiconductor substrates ", Eighth National Radio Science Conference (URSI), Cairo, Egypt, Feb. 1991, pp. D5.

- A. T. Shalaby, E.M. Zieur, and A. O. Attia," Spectral domain analysis of superconducting microstrip lines", Ninth National Radio Science Conference (URSI), Cairo, Egypt, Feb. 1992, pp. D3.
- A. T. Shalaby, E.M. Zieur, and A. O. Attia," High-T superconducting coplanar stripline for microwave integrated circuits ", Ninth National Radio Science Conference (URSI), Cairo, Egypt, Feb. 1992, pp. D4.
- A.Oraby and A. T, Shalaby," Effect of the continuous spectrum on the performance of a nonlinear processing bit synchronizer" 17th International Conference for Statistics, Computer Science, Scientific & Social Applications, Cairo, Egypt, April 1992, pp. 175-185.
- A. T. Shalaby and O. A. Oraby," Analysis of cylindrical dielectric resonators on anisotropic substrates ", 17th International Conference for Statistics, Computer Science, Scientific & Social Applications, Cairo, Egypt, April 1 992, pp. 295-302.
- A. T. Shalaby, "Spectral domain formulation for superconducting microstrip lines with arbitrary strip thickness ", IEEE-APS International Symposium Digest, Chicago, U.S.A. July 1992, pp. 990-993.
- A. T. Shalaby, E.M. Zieur, and A.O. Attia, "Spectral domain analysis of high-T_c superconducting microstrip resonators ", IEEE-APS International Symposium Digest, Ann Arbor, Michigan, U.S.A, June 1993, pp. 193-196.
- A. T. Shalaby, E.M. Zieur, and A. O. Attia," Design and characterization of high-T superconducting microstrip ring resonators using modified phenomenological loss equivalence method ", Tenth National Radio Science Conference (URSI), Cairo, Egypt, Feb. 1993.pp. B8.
- 13. T.M. Halim, E. Abdel-Fattah, A. T. Shalaby, and M. Mohanna," Effect of metal thickness and losses on finline discontinuities using generalized transverse resonance technique" XXIVth General Assembly of the International Union of Radio Science, Kyoto, Japan, Aug. 25-Sept. 2, 1993, p.94.
- E. A. Abdallah, A. T. Shalaby, M. A. Mohanna, and T.M. Halim," An alternative simplified technique for calculation of losses in finlines ", Eleventh National Radio Science Conference (URSI), Cairo, Egypt, March 1994, pp. B10/1-8.
- 15. A. T. Shalaby, M. A. Mohanna, T. M. Halim, and E.A. Abdallah," Correcting factors for the coincidence of results using both generalized and conventional TRT in finlines for a wider range", 19th international Conference for Statistics,

Computer Science, Scientific & Social Applications, Cairo, Egypt, April 1 994, pp. 247-253.

- 16. E. A. Abdallah, T. M. Halim, A. T. Shalaby, and M. A. Mohanna," Generalized transverse resonance technique for characterization of inductive strip in finlines", The First International Conference on Electronics, Circuits, and Systems (ICECS), Cairo, Egypt, Dec. 19-22, 1994, pp. 139-142.
- M. A. Mohanna, E. A. Abdallah, T. M. Halim, and A. T. Shalaby, "Design and realization of finline resonator using generalized transverse resonance technique", Progress in Electromagnetics Research Symposium (PIERS), Innsbruck, Austria, July 8-12, 1996, p. 589.
- E. M. Zieur, M. A. Mohanna, T. M. Halim, and A. T. Shalaby," Characterization of superconducting stepped-impedance transformers", XXVth General Assembly of the International Union of Radio Science, Lille, France, Aug. 28-Sept. 5, 1996, p.626.
- A. T. Shalaby, "Full wave analysis of ferroelectric tunable HTS microstrip resonators on anisotropic substrates", The Mediterranean Microwave Symposium (MMS'2003), Cairo, Egypt, May 6-8, 2003, pp. 1-4.
- E. M. Zieur, M. A. Mohanna, T. M. Halim, and A. T. Shalaby," Characterization of superconducting stepped- impedance band-pass filters", Engineering Research Journal, Faculty of Engineering, Banha University, Egypt, No.2, pp.47-56, October 2004.
- H. A. Elshiekh, E. A. Eldiwani, M. E. Nasr, and A. T. Shalaby, "Transient response of dipole antenna using SEM-FDTD method", Twenty Second National Radio Science Conference (NRSC 2005), Cairo, Egypt, March 15-17, 2005, pp. B10.
- A. T. Shalaby, "Full wave analysis of superconducting unilateral finline resonators on ferroelectric / anisotropic substrates", The Mediterranean Microwave Symposium (MMS'2006), Genova, Italy, Sept. 18-21, 2006, pp. 165-168.
- 23. A. El-Abd, M. Abdel Aziz, A. Shalaby, and S. Khamis," New I-V Model For AlGaN/GaN HEMT At Large Gate Bias", IEEE International Conference on Semiconductor Electronics (ICSE 2006), Kuala Lumpur, Malaysia, Nov. 29 -Dec.1, 2006, pp. 1010-1014.

- 24. H. A. Elshiekh, E. A. Eldiwani, M. E. Nasr, and A. T. Shalaby, "Transient response of loop antenna using SEM-FDTD method", Proceedings of the 6th International Conference for Electrical Engineering (6th ICEENG), Military Technical College, Cairo, Egypt, May 27-29, 2008, pp. EE014.
- 25. M. Abd Elnaby, A. Shalaby, M. Abdel Aziz, and A. El-Abd, " An analytical expression for voltage parameter used in I-V modeling for GaN HEMTs", IEEE International Conference on Semiconductor Electronics (ICSE 2008), Kuala Lumpur, Malaysia, 2008.
- 26. H. A. Elshiekh, E. A. Eldiwani, M. E. Nasr, and A. T. Shalaby, "Transient response of a square microstrip patch antenna using natural modes", Twenty Six National Radio Science Conference (NRSC 2009), Cairo, Egypt, March 17-19, 2009, pp. B20.
- 27. M. Abd Elnaby, M. Abdel Aziz, A. Shalaby, and A. El-Abd, " An analytical expression for the I-V characteristics of AlGaN/GaN HEMTs", Twenty Six National Radio Science Conference (NRSC 2009), Cairo, Egypt, March 17-19, 2009, pp. D23.
- 28. H. A. Elshiekh, E. A. Eldiwani, M. E. Nasr, and A. T. Shalaby, "Transient response of a square microstrip patch antenna to an obliquely incident plane wave using T. L. equations and natural modes", Ain Shams Journal of Electrical Engineering (ASJEE), Egypt, Vol. 1, June, 2009, pp. 1-12.
- 29. M. Abd Elnaby, M. Abdel Aziz, A. Shalaby, and A. El-Abd, "A semi-analytical current-voltage model for AlGaN/GaN HEMT", The Mediterranean Journal of Electronics and Communications, UK, Vol. 5, No. 1, 2009, pp. 7-12.
- H. A. Elshiekh, E. A. Eldiwani, M. E. Nasr, and A. T. Shalaby, "Transient response of a square loop antenna for an obliquely incident plane wave using SEM -FDTD method ", Ain Shams Journal of Electrical Engineering (ASJEE), Egypt, Vol. 1, June, 2009, pp.
- The following research works were supported by the Supreme Council of Universities, Egypt, under Grant No. : C. B. 90074
- Some investigation on superconductors and their application in microwave circuits, by A. O. Attia (Research Team : A. T. Shalaby, Research Students: E. M. Zieur), Supreme Council of Universities, Foreign Relations Co-ordination

Unit, Cairo University BLDS, Giza, Cairo, Egypt, Technical Report No. 2, Dec.1, 1991.

- 32. Some investigation on superconductors and their application in microwave circuits, by A. O. Attia (Research Team : A. T. Shalaby, Research Students: E. M. Zieur), Supreme Council of Universities, Foreign Relations Co-ordination Unit, Cairo University BLDS, Giza, Cairo, Egypt, Technical Report No. 3, March 24, 1992.
- Some investigation on superconductors and their application in microwave circuits, by A. O. Attia (Research Team : A. T. Shalaby, Research Students: E. M. Zieur), Supreme Council of Universities, Foreign Relations Co-ordination Unit, Cairo University BLDS, Giza, Cairo, Egypt, Technical Report No. 4, June 29, 1993.